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An Assessment of the Supplies of Natural Gas and Fuels for Generating Electricity in Ohio From November 1980 - October 1981

Presented to

Governor James A. Rhodes

Ohio Legislature

Public Utilities Commission of Ohio

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Ohio Department of Energy
Robert S. Ryan, Director

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and Fuels for Generating Electricity in Ohio
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AN ASSESSMENT OF THE SUPPLIES OF NATURAL GAS AND FUELS FOR GENERATING ELECTRICITY IN OHIO

SUMMARY

Section 4905 of the Ohio Revised Code requires that on July 1 and November 1 of each year Ohio's natural gas and electric utilities report to the Ohio Department of Energy (ODOE) forecasts of their projected fuel supply and demand for the ensuing twelve-month period. The statute further requires that the Ohio Department of Energy review each report and compare it to the department's independently generated forecasts. This report represents ODOE's assessment of these individual forecasts and provides an aggregate forecast of Ohio's natural gas and electricity supply/demand outlook for the period November 1980 through October 1981.

Electricity

Consumption of electricity in the state declined in the twelve-month period ending October 1980, as it had the previous year. Consumption was down 2.4 percent compared to the year ending October 1979. The main causes of the decline could be attributed to public conservation and the reduced production in automobile-related industries and also the steel industry. The latest industrial consumption data show a slight upturn that may signify the beginning of recovery. Complete recovery of industrial demand, however, would not likely occur before May 1981. The residential and commercial sectors have indications of continuing growth. Provided there are no major economic disruptions, the state's total electric demand is forecast to be about 4 percent above the past year's low level of consumption.

The projected supply of coal and oil for electricity generation is adequate under normal circumstances. Since the United Mine Worker's

contract will expire in March 1981, a higher than normal level of coal inventory is encouraged by the Ohio Department of Energy to all coal-using facilities, particularly electric utilities.

Natural Gas

Available supplies of interstate natural gas have stabilized over the course of the 1978-1979 and 1979-1980 heating seasons, due to the impact of the Natural Gas Policy Act of 1978. The Act deregulated the price of some interstate natural gas immediately, and mandates the deregulation of all interstate natural gas by the end of 1985. It is anticipated that the supply of interstate natural gas will be adequate. Even if the current disruption of supply of Algerian LNG were to continue through the heating season, Ohio consumers will have enough natural gas. In the event of 10 percent colder than normal weather, a minor deficiency may result. Even that deficiency can be met by the purchase of emergency natural gas and by the encouragement of additional conservation measures.

INTRODUCTION

This report has been prepared by the Ohio Department of Energy pursuant to Section 4905.14(E) of the Ohio Revised Code. The statute requires the Department of Energy to provide a summary, analysis and recommendations based on the Ohio public utilities' energy supply and demand projections for the twelve-month period beginning November 1, 1980. In accordance with Section 4905.14(D), a copy of each utility's November forecast was submitted to the Governor, the Clerk of the Senate, the Legislative Clerk of the House of Representatives, and the Public Utilities Commission of Ohio on November 10, 1980. The utilities' forecasts and historical data are the primary input for this report. Several other sources of information have also been used - i.e., historical energy data developed by the Ohio Department of Energy, federal energy reports, publications from the American Gas Association, publications from the Electric Power Research Institute, and others. A substantial and successful effort has been undertaken to develop a comprehensive data base and at the same time maintain the ability to provide timely analyses and forecasts.

Objectives

In the preparation of this report, the Ohio Department of Energy set forth the following major objectives:

1. To provide an adequate historical, energy-related data profile for identification of current status and future trends;
2. To provide analysis and interpretation of changes in energy supply and demand;

3. To provide an independent assessment of the adequacy of natural gas and electric energy supply for the upcoming twelve months; and

4. If a potential deficiency between supply and demand is identified, to suggest a strategy to prevent or mitigate any interruption or curtailment of service.

These objectives are addressed specifically under the sections of electricity and natural gas presented later.

Energy Supply Outlook

The utilities have projected an adequate supply of coal and fuel oil for the generation of electricity for the next twelve-month period. The projected supply of coal for electricity generation is higher for each month through March 1981 for most of the utilities. As of March 1981 many utilities estimate over ninety days' coal supply, the recommended level in the event of a potential supply disruption. Anticipation of a potential coal strike resulted in this coal supply buildup. Some utilities have projected reduced coal deliveries and stocks after March 1981. In each case, projected days' supply of coal of utility groups is over seventy days. The Ohio Department of Energy will encourage all electric utilities to achieve a ninety-day supply of coal, unless there is strong indication of a strike settlement prior to March 1981.

The supply of oil for electricity generation is projected to be lower than that used the preceding year. Fuel switching and conservation by the utilities have resulted in an equal reduction in fuel oil consumption during the first nine months of 1980. Given that the utilities have demonstrated an ability to cope with lower supply levels of fuel oil, it appears that sufficient supplies of fuel oil are available for electricity generation.

Utilities' natural gas supply projections for the next twelve months indicate an increase of 7.7 percent over one year ago. However, projections by Columbia Gas of Ohio do not take into account the current disruption in deliveries of Algerian liquefied natural gas (LNG). Even if supplies of LNG continue to be cut off, there will be 6 percent more natural gas supply than was available in the preceding year. The supply disruption stems from Algeria's demand that the price of LNG established by the current contract be tripled. Negotiations are proceeding, and it currently appears that an agreement is near. Even if the winter is 10 percent colder than normal, and an agreement on LNG does not materialize, it is unlikely that any curtailment of natural gas deliveries will be required. The probability of any supply deficiencies is minimal because historical data show a declining demand for natural gas in the residential, commercial and industrial sectors.

Temperature and Energy Consumption

In studying short-term energy consumption behaviors for the three major sectors of consumers (i.e., industrial, commercial and residential), the observed changes in the sectoral annual energy requirements may be explained by a variety of causal events. Temperature is a variable, which explains much of the observed variation. It is particularly important in the residential and commercial sectors where, during summer and winter periods, the requirements for electricity and natural gas are used to maintain comfortable room temperatures.

Two indicators which measure temperature sensitive energy requirements are heating degree-days and cooling degree-days. The daily mean temperature is obtained by adding together the maximum and minimum temperatures reported for the day and dividing the total by two. This average is subtracted from 65°F. When the daily mean temperature is 65°F or more, the degree-day is

zero. Each degree of mean temperature below 65°F is counted as one heating degree-day. This indicator is convenient because the amount of heat required to maintain a certain temperature level is proportional to heating degree-days.

The cooling degree-days are defined similarly: Each degree of mean temperature above 65°F is counted as one cooling degree-day. If the daily mean temperature if 65°F or lower, the cooling degree-day total is zero.

Since most homes and commercial buildings in Ohio are heated by natural gas, the reporting utilities are required to submit supply and demand forecasts under a "normal winter" scenario and a "10 percent colder than normal" winter scenario. In addition, the relationship between natural gas consumption and heating degree-days is closely monitored by ODOE during the winter heating season (from November through March). Table 1 and Figure 1 show population-weighted state heating degree-day summaries for the past two heating seasons. In addition, a normal heating degree-day series, defined as the 30-year average of the years 1941 to 1970, is presented.

Rules and Requirements for This Report

The administrative rules and forecasting requirements (OAC 1551:1-4 and 1551:1-5) became effective November 1, 1978. The present forecasting reports submitted by electric and gas utilities are in accordance with these rules.

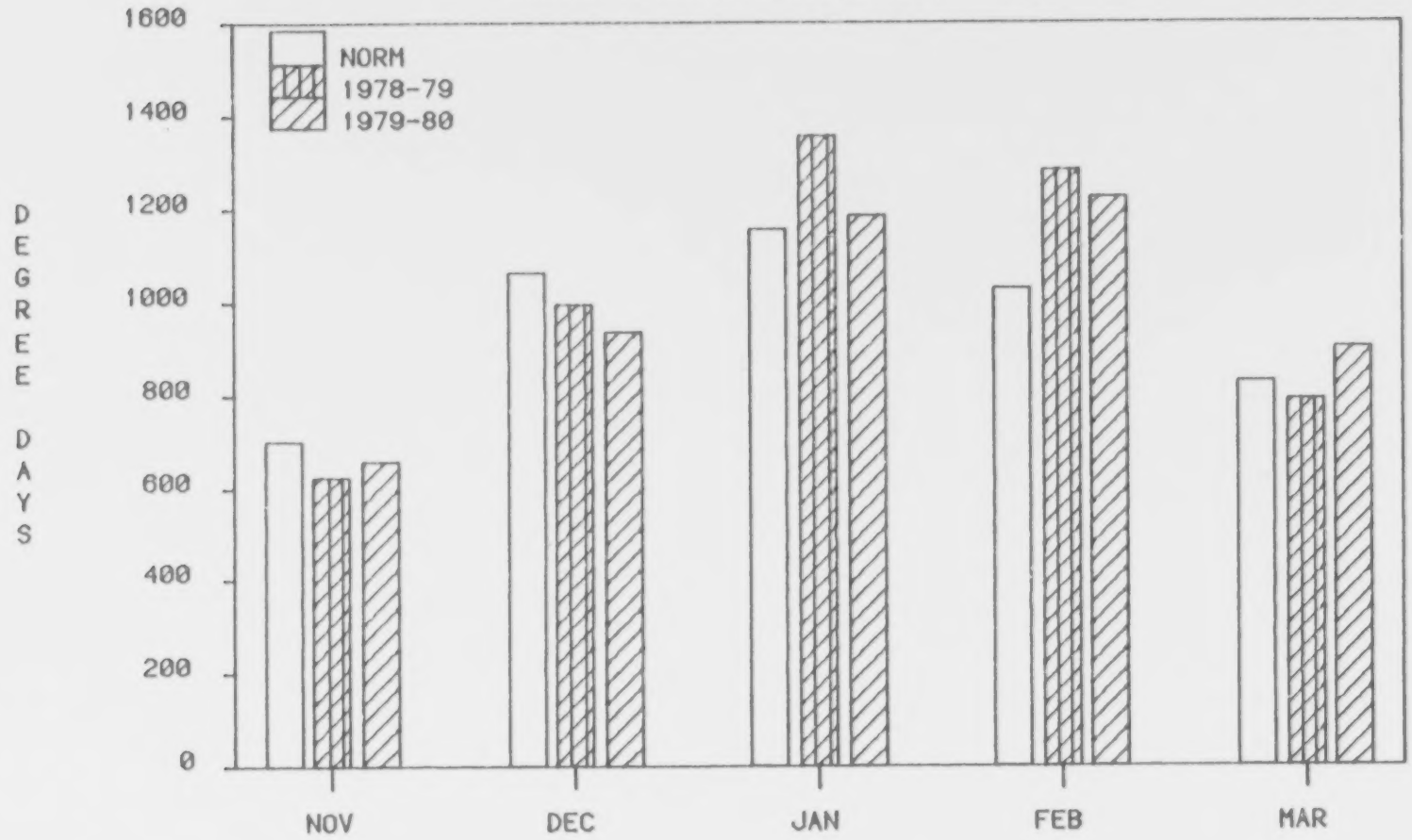
It is necessary to differentiate between state energy consumption and production totals and the reporting utilities' totals. This is because the municipal utilities, industrial facilities, and the rural electric cooperatives are not required to file the semi-annual report. This difference is actually very small (estimated to be about 6 percent for the electricity figures and 0.5 percent for natural gas, excluding self-help gas).

Table 1. Population-Weighted State Heating Degree-Days
(Winter 1979-1980)

Week Ending Date	1979-1980			Norm		
	Weekly	Cum. for Month	Cum. from Nov.1	Weekly	Cum. for Month	Cum. from Nov.1
Nov. 4	67	67	67	69	69	69
11	167	234	234	141	210	210
18	173	407	407	162	372	372
25	97	504	504	183	555	555
30	151	655	655	146	701	701
Deviation from Norm		-6.6%	-6.6%			
Dec. 2	61	61	716	58	58	759
9	208	269	924	223	281	982
16	194	463	1118	239	520	1221
23	220	683	1338	250	770	1471
30	213	896	1551	256	1026	1727
31	38	934	1589	37	1063	1764
Deviation from Norm		-12.1%	-9.9%			
Jan. 6	226	226	1815	224	224	1988
13	273	499	2088	261	485	2249
20	198	697	2286	262	747	2511
27	287	984	2573	261	1008	2772
31	203	1187	2776	149	1157	2921
Deviation from Norm		2.6%	-5.0%			
Feb. 3	153	153	2929	111	111	3032
10	315	468	3244	257	368	3289
17	307	775	3551	252	620	3541
24	206	981	3757	243	863	3784
29	244	1225	4001	164	1027	3948
Deviation from Norm		19.3%	1.3%			
Mar. 2	97	97	4098	66	66	4014
9	234	331	4332	214	280	4228
16	215	546	4547	197	477	4425
23	168	714	4715	177	654	4602
30	169	883	4884	156	810	4758
31	19	902	4903	19	829	4777
Deviation from Norm		8.8%	2.6%			

Source: National Weather Service, Port Columbus; and the Ohio Department of Energy.

FIGURE 1. POPULATION-WEIGHTED STATE DEGREE-DAYS FOR OHIO
WINTER HEATING SEASONS 1978 - 1980



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Ohio Department of Energy Forecasts

As part of its analysis, the Ohio Department of Energy makes independent forecasts to serve as validation checks. Early identification of severe conditions permits advanced planning to avert possible undesirable consequences.

The independent monthly demand forecasts by utility and for the state as a whole are obtained by using modern time series analysis and forecasting techniques. The quality of independent forecasts may be evaluated by comparing the actual versus the forecast. In most cases, the error level is within a plus or minus 5 percent range. Forecast errors of more than 5 percent can usually be attributed to abnormal temperatures and/or economic conditions. Neither of these variables can be predicted accurately, given the present state of forecasting techniques. The present forecasts are based on the past ten years monthly actual consumption of both electricity and natural gas and other appropriate variables such as population, income, and temperature data. As in any forecast, certain important socio-economic conditions are assumed in the Ohio Department of Energy forecasts. These assumptions are:

1. Energy demand generally follows its historical consumption pattern.
2. Socio-economic changes are minimal in affecting demand for energy in the short run.
3. The observed level of conservation will remain in effect.
4. Other specific assumptions are stated where appropriate.

Overview of This Report

The rest of the report is divided into two parts: electric energy and natural gas. Materials contained in these two parts are, for the most part, parallel in arrangement. They contain: (a) a profile of reporting

utilities; (b) historic sources of supplies/suppliers; (c) consumption history by sector, utility, and state; and (d) the utilities' forecasts and independent forecasts by the Ohio Department of Energy. For the purpose of better illustration, the data are frequently displayed graphically.

ELECTRIC ENERGY

This section is based on the November forecasts filed by five groups of the major Ohio electric utilities. These groups are:

1. CCD - Cincinnati Gas and Electric Company (CG&E)
   Columbus and Southern Ohio Electric Company (C&SOE)
   Dayton Power and Light Company (DP&L)

2. CAPCO - Cleveland Electric Illuminating Company (CEI)
   Ohio Edison System (OE) (and its subsidiary Pennsylvania Power)

3. American Electric Power Company (AEP)
   Ohio Power Company (OP)
   Columbus and Southern Ohio Electric Company (C&SOE)
   Other out-of-state utilities not subject to reporting

4. Allegheny Power System (APS)
   Monongahela Power Company (MP)
   Other out-of-state utilities not subject to reporting

5. Ohio Valley Electric Corporation (OVEC)

The utilities within groups 1 and 2 own many power generation units in common. These jointly-owned units are usually operated by the utility having the largest ownership share. The electric energy generated from such units is distributed to the utilities according to ownership share percentages. Thus, in making an electric fuel assessment, it is not only important to review an individual utility's level of supply but also the level of supply as a group.

Groups 3 and 4 are holding companies of many utilities. Each group has a centralized power generation and distribution center that coordinates generation for the entire system. Given these circumstances, the emphasis of fuel assessment has been placed on the entire system.

Group 5 is a single purpose utility: Its main function is to supply power for the uranium enrichment plant at Portsmouth. However, it does sell surplus capacity to many publicly owned utilities.

Although the Columbus and Southern Ohio Electric Company is now a member of the AEP system, its power generation and distribution have not yet been integrated with the AEP central system. Therefore, in this report, Columbus and Southern Ohio Electric is still treated as a member of the CCD group.

Source/Supplier of Fuel for Electric Generation

Fuels used in Ohio for electricity generation include coal, oil, natural gas, and nuclear fuel. At this time, nuclear fuel is not monitored by ODOE; all other fuels are monitored through the utilities' monthly reports. Tables 2 and 3 list coal and oil deliveries to power plants located in Ohio. These totals are illustrated graphically in Figures 2 and 3. The main sources of supply and/or suppliers of these fuels remain the same as in the last reporting period.

The amount of coal and oil deliveries to Ohio plants in the first nine months of 1980 was lower than during the same period in 1979. The particularly sharp decline in oil deliveries is indicative of Ohio utilities' efforts at reducing oil consumption.

Electric Generation by Type of Fuel

Coal is the main source of fuel for electricity generation in Ohio, and its position is not expected to change in the foreseeable future. In 1979, 96 percent of total electricity generated in Ohio was from coal, an increase of 1 percent over the year before; oil-generated electricity accounted for 1 percent, a reduction of 1.6 percent; and nuclear generated electricity accounted for 3 percent, an increase of 1 percent. The amount of electricity generated from natural gas is very small compared to total generation. A second nuclear plant, the Zimmer plant owned jointly by the member utilities of the

Table 2. Source of Coal Supplies to Electric Utilities
(Ohio Portion)

(In Thousand Short Tons)

Month	Coal Districts 1	2	3	4	6	7 & 8	9	Other	Total
1978									
January	4.8	52.2	11.5	137.4	7.2	275.9	1.4	169.0	659.4
February	8.3	51.1	9.7	153.8	0.7	316.3	---	257.8	797.7
March	20.1	173.3	52.0	1,057.9	11.7	624.0	1.6	619.8	2,560.4
April	35.8	187.2	88.6	2,834.4	263.3	828.0	111.5	525.5	4,874.3
May	21.0	261.4	111.9	2,906.4	321.0	944.2	121.5	494.4	5,181.8
June	18.3	260.1	107.4	2,993.4	257.0	1,067.3	140.6	416.9	5,261.0
July	25.1	353.6	86.1	2,292.5	174.8	1,059.9	119.3	475.4	4,586.7
August	10.2	141.2	58.1	1,946.6	217.2	1.030.8	155.7	472.8	4,032.6
September	18.0	207.9	86.1	2,361.7	234.8	921.2	129.9	283.4	4,243.0
October	51.5	200.7	98.3	2,608.1	310.3	998.1	112.5	179.5	4,559.0
November	41.1	185.4	77.1	2,627.0	230.9	1,197.9	156.8	314.9	4,831.1
December	12.9	145.5	73.1	2,290.5	223.5	1,121.2	75.3	338.3	4,280.3
Total	267.1	2,219.6	859.9	24,209.7	2,252.4	10,384.8	1,126.1	4,547.7	45,867.3
% of Total	0.6	4.8	1.9	52.8	4.9	22.6	2.5	9.9	
1979									
January	----	176.9	45.2	2,296.6	241.5	1,026.7	129.6	392.0	4,308.5
February	5.7	103.4	52.7	2,124.4	237.9	901.7	124.5	285.6	3,835.9
March	.5	158.0	60.4	2,516.0	313.8	1,172.8	149.4	231.7	4,602.6
April	32.6	143.3	76.7	2,207.3	276.0	1,405.5	107.7	334.0	4,453.1
May	3.0	106.8	75.4	2,425.0	358.0	1,340.1	143.2	371.0	4,822.5
June	10.2	120.7	83.1	2,369.5	356.3	1,336.7	135.8	388.8	4,801.1
July	6.5	105.7	62.6	1,874.7	178.7	785.2	134.6	425.0	3,573.0
August	6.5	81.2	68.0	2,469.7	295.3	1,242.4	196.2	333.5	4,692.8
September	1.0	148.1	75.5	2,229.4	285.5	1,171.9	92.0	309.8	4,313.2
October	1.0	100.1	63.2	2,382.9	484.5	1,228.1	112.6	296.6	4,669.0
November	.5	162.4	25.4	2,263.8	286.4	1,398.2	128.4	251.1	4,516.2
December	----	158.9	17.6	2,099.3	289.9	1,370.7	120.7	29.5	4,086.6
Total	67.5	1,565.5	705.8	27,258.5	3,603.8	14,380.0	1,574.7	3,648.6	52,804.5
% of Total	0.1	3.0	1.3	51.6	6.8	27.2	3.0	6.9	
1980									
January	----	210.9	27.0	2,202.8	327.2	1,140.8	131.5	316.8	4,357.0
February	----	136.3	46.9	1,872.3	500.9	964.9	100.1	216.8	3,838.2
March	----	200.4	34.8	2,114.1	126.9	1,485.5	94.6	356.6	4,412.9
April	----	254.1	44.7	2,096.0	215.9	1,216.8	66.1	200.8	4,094.4
May	.1	165.1	49.0	2,225.2	270.1	1,252.5	125.4	167.8	4,255.2
June	----	158.4	56.5	2,111.3	291.9	1,501.7	159.0	165.4	4,444.2
July	----	151.3	47.1	1,332.9	173.1	892.3	72.8	201.3	3,470.8
August	----	182.6	78.8	2,164.6	261.6	1,295.8	115.1	242.1	4,340.6

District

1. Eastern Pennsylvania
2. Western Pennsylvania
3. Northern West Virginia
4. Ohio
6. Panhandle in W. Virginia and Ohio
7. Southern No. 1 (in W. Virginia and Virginia)
8. Southern No. 2 (in W. Virginia, Virginia and Eastern Kentucky)
9. Western Kentucky

Other - Primarily from Wyoming and Utah

(For details, see Keystone Coal Industry Manual, 1977 by McGraw Hill)

Source: Ohio Electric Utilities' FPC Form 423 and the Ohio Department of Energy.

FIGURE 2. MONTHLY COAL DELIVERIES TO POWER PLANTS IN OHIO
(JANUARY 1978 - AUGUST 1980)

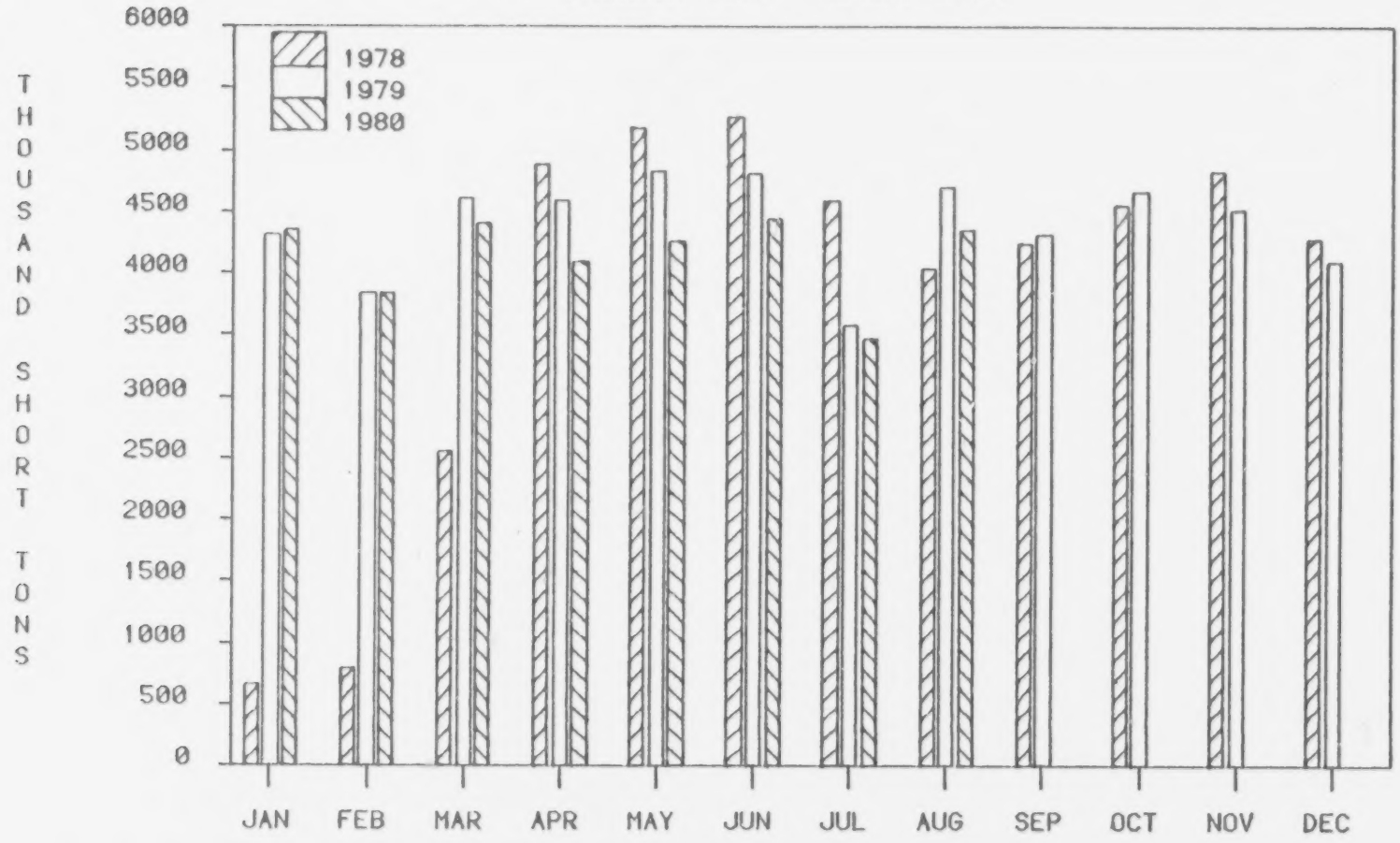

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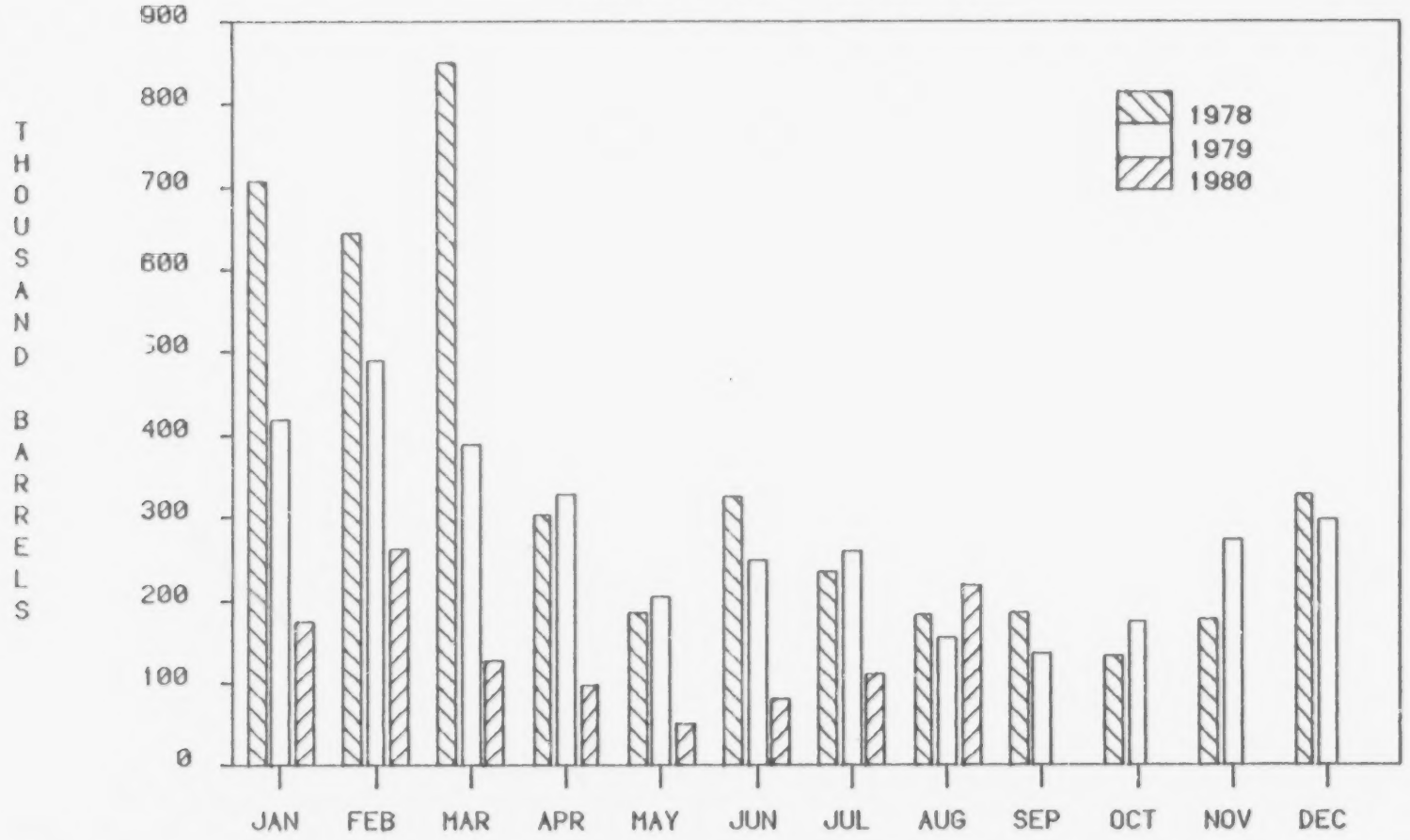
Table 3. Major Oil Suppliers to Electric Utilities (Ohio Portion)
(Thousand Barrels)

Month	Allied	Marathon	McCarty	Standard	Union	Other	Total
January	607.4	7.3	13.3	67.6	3.1	62.1	706.8
February	543.5	7.2	2.3	27.9	5.2	57.7	643.8
March	588.1	11.4	86.4	47.0	10.1	108.2	851.2
April	214.0	---	1.9	21.5	6.0	60.0	303.4
May	150.7	2.2	0.2	22.5	7.3	1.3	184.2
June	281.1	1.0	---	17.6	9.0	16.1	324.8
July	209.3	1.5	3.5	14.8	4.4	1.6	235.1
August	161.9	1.5	---	12.5	4.8	1.9	182.6
September	153.3	1.6	0.2	20.0	7.0	3.6	185.7
October	105.4	1.2	---	16.1	4.9	4.9	132.5
November	144.0	.7	---	11.8	7.6	12.5	176.6
December	305.5	3.3	---	10.2	8.1	2.1	329.2
Total	3,464.2	38.9	107.8	289.5	77.5	332.0	4,309.9
% of Total	80.4	0.9	2.5	6.7	1.8	7.7	
1979							
January	342.3	4.1	0.6	27.1	14.5	29.1	417.7
February	357.6	3.2	12.5	41.2	19.5	57.2	491.2
March	346.1	1.5	4.6	23.3	12.3	1.6	389.4
April	289.9	0.8	---	13.1	2.7	20.6	327.1
May	172.5	1.5	---	18.0	1.6	12.8	206.4
June	206.8	0.4	---	22.5	2.8	16.5	249.0
July	236.8	0.2	---	16.6	4.4	0.5	258.5
August	120.6	0.4	---	31.8	2.6	---	155.4
September	102.7	0.4	---	29.4	2.4	---	134.9
October	126.3	9.4	---	30.3	6.1	2.7	174.8
November	216.9	1.3	---	34.4	1.9	17.3	271.8
December	242.1	0.5	---	46.4	4.8	2.8	296.6
Total	2,760.6	23.7	17.7	334.1	75.6	161.1	3,372.8
% of Total	81.8	0.7	0.5	9.9	2.2	4.8	
1980							
January	105.0	0.2	---	49.9	4.2	14.9	174.2
February	214.0	0.2	---	44.4	4.2	---	262.8
March	73.9	0.4	---	49.9	3.3	.1	127.6
April	77.4	0.2	---	14.0	4.7	.7	97.0
May	40.0	0.2	---	5.1	4.5	1.1	50.9
June	40.5	---	---	35.1	4.7	1.0	81.3
July	71.8	---	---	34.4	4.4	1.2	111.8
August	111.2	42.9	---	45.4	3.5	15.5	218.5

Source: Ohio electric utilities' FPC Form 423 and the Ohio Department of Energy.

FIGURE 3. MONTHLY OIL DELIVERIES TO POWER PLANTS IN OHIO
(JANUARY 1978 - AUGUST 1980)



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CCD group, will be on-line in 1982. Consequently, a boost in nuclear power generation in Ohio is expected at that time.

Table 4 and Figure 4 show the combined monthly totals of the reporting utilities' net generation from Ohio plants. Historical power plant fuel consumption is displayed in Table 5.

Historical Patterns of Ohio Electric Consumption

In the past decade, electricity consumption has developed a different pattern from that of the 1960's, or the 1950's. The main difference is that the growth of electricity consumption no longer follows a straight line model. Beginning with the 1973 OPEC oil embargo, a series of economic and conservation measures have acted upon all sectors of society. The result has been reduced growth rates in the demand for electricity. This is particularly obvious in the residential and commercial sectors. For the last twelve months ending with September, total Ohio electricity consumption compared to the same period a year ago was down 2.4 percent (see Table 6 and Figure 5). The reduction was attributed mainly to the continuing difficulties faced by automobile-related industries throughout the state.

Electricity consumption by the residential and commercial sectors exhibits strong seasonal patterns, while the industrial sector fluctuates widely with general economic conditions. Last July, for example, industrial electricity consumption dipped to the lowest point in recent years, reflecting a severe downturn in the manufacturing industry. The August, September and October data, however, show signs of slight industrial recovery.

Twelve-Month Electric Energy Demand Forecast

The electric demand forecast is prepared in two ways: 1) a utility by utility forecast is given, each forecast containing total projected demand for

Table 4. Major Ohio Utilities -
Net Generation by Type of Fuel (Ohio Portion)
(Thousand MWH)

	Coal		Oil		Gas	Nuclear		Total
1978								
Jan.	8,565	(91%)	545	(6%)	4	262	(3%)	9,376
Feb.	6,807	(89%)	528	(7%)	2	331	(4%)	7,668
Mar.	7,034	(88%)	565	(7%)	4	369	(5%)	7,972
Apr.	7,746	(98%)	184	(2%)	7	0		7,937
May	8,933	(99%)	108	(1%)	6	0		9,047
June	9,323	(98%)	171	(2%)	8	0		9,502
July	8,928	(99%)	75	(1%)	18	0		9,021
Aug.	9,889	(97%)	149	(2%)	9	137	(1%)	10,184
Sept.	8,874	(96%)	115	(1%)	10	235	(3%)	9,234
Oct.	8,124	(98%)	69	(1%)	8	104	(1%)	8,305
Nov.	8,582	(94%)	75	(1%)	7	429	(5%)	9,093
Dec.	9,387	(96%)	171	(2%)	6	184	(2%)	9,747
Total	102,192	(95.4%)	2,755	(2.6%)	89	2,051	(2%)	107,087
1979								
Jan.	10,092	(95%)	296	(3%)	9	260	(2%)	10,656
Feb.	9,042	(92%)	315	(3%)	10	458	(5%)	9,825
Mar.	9,263	(93%)	167	(2%)	6	505	(5%)	9,940
Apr.	8,965	(99%)	87	(1%)	5	0		9,057
May	9,016	(99%)	94	(1%)	8	0		9,118
Jun.	9,205	(98%)	140	(2%)	7	0		9,352
Jul.	9,291	(95%)	78	(1%)	8	389	(4%)	9,766
Aug.	9,613	(93%)	57	(1%)	3	642	(6%)	10,316
Sep.	9,127	(94%)	59	(1%)	6	478	(5%)	9,669
Oct.	8,481	(95%)	119	(1%)	11	304	(3%)	8,915
Nov.	8,922	(97%)	141	(2%)	20	128	(1%)	9,210
Dec.	9,937	(99%)	93	(1%)	11	0		10,040
Total	115,864	(96%)	1,646	(1%)	104	3,164	(3%)	115,868
1980								
Jan.	9,863	(94%)	92	(1%)	14	501	(5%)	10,472
Feb.	8,865	(94%)	94	(1%)	13	480	(5%)	9,453
Mar.	9,192	(95%)	81	(1%)	14	419	(4%)	9,706
Apr.	8,204	(99%)	11	(0%)	5	99	(1%)	8,320
May	7,565	(100%)	27	(0%)	8	0		7,600
Jun.	8,112	(100%)	27	(0%)	10	0		8,149
Jul.	9,289	(99%)	67	(1%)	10	0		9,366
Aug.	9,342	(99%)	101	(1%)	41	0		9,484
Sep.	8,781	(100%)	36	(0%)	3	0		8,820

Source: FPC Form 4 of major Ohio electric utilities; and the Ohio Department of Energy.

FIGURE 4. MAJOR OHIO ELECTRIC UTILITIES MONTHLY
NET GENERATION BY TYPE OF FUEL (OHIO PORTION)

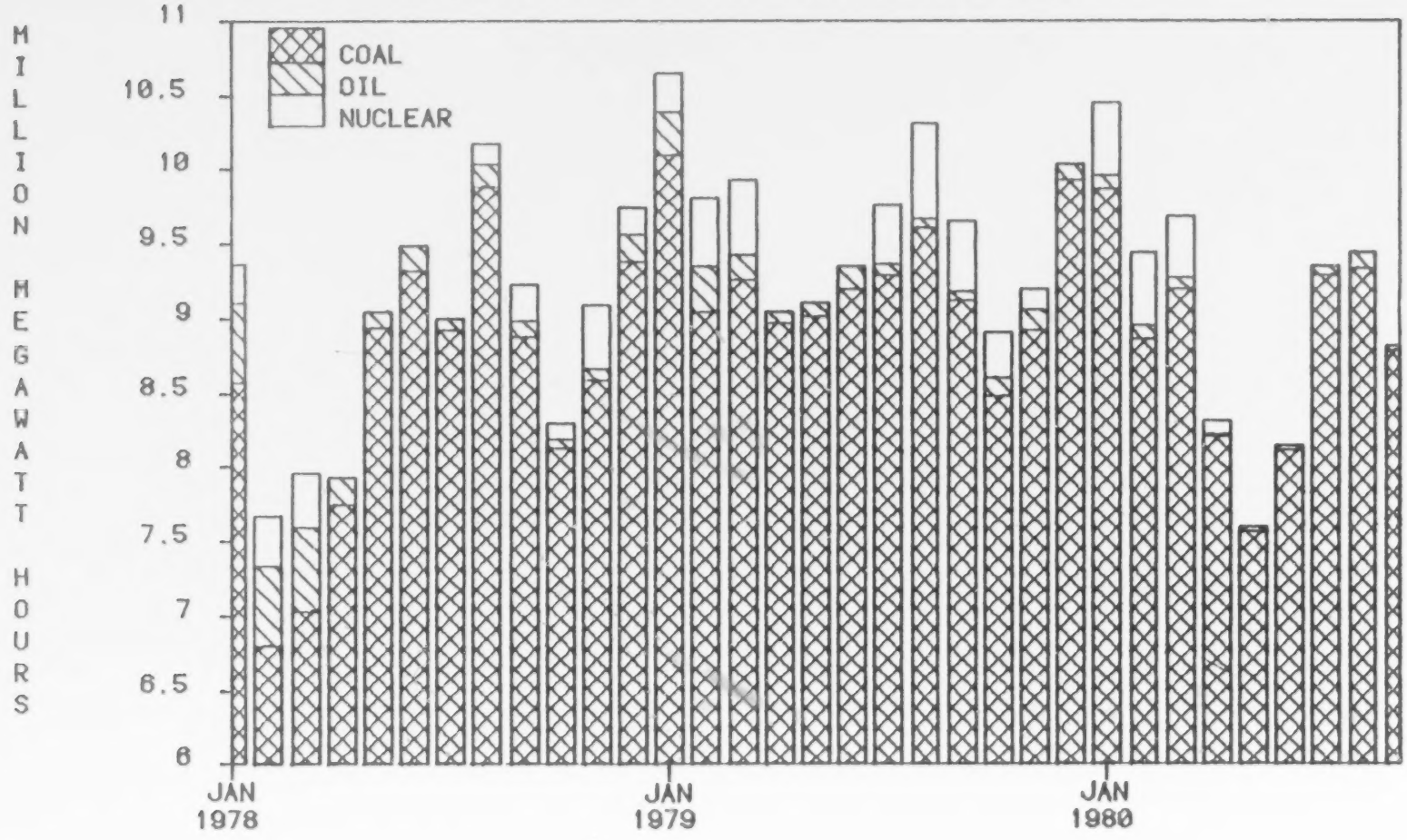

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Table 5. Major Ohio Electric Utilities
Fuel Consumption and Stocks
(Ohio Portion)

	Coal (Thousand Tons)		Oil (Thousand 42-Gal. Bbls)		Gas Burned
Month	Burned	In Stock	Burned	In Stock	(MMCF)
1978					
January	4,221.8	8,067.5	1,405.9	782.8	122
Febuary	3,336.5	5,817.2	1,373.5	1,212.4	116
Marcn	3,394.6	4,876.0	1,380.5	1,316.9	234
April	3,702.5	5,796.2	359.0	1,264.1	170
May	4,189.7	7,092.4	311.6	1,138.8	180
June	4,387.4	7,833.6	460.0	1,128.0	211
July	4,259.2	8,152.3	230.5	1,946.7	225
August	4,755.9	7,476.5	259.0	1,088.4	233
September	4,244.3	7,513.1	324.3	1,101.1	237
October	3,761.1	8,536.6	191.1	1,179.4	214
November	3,924.0	9,514.4	228.7	1,027.0	96
December	4,403.2	9,551.8	447.3	1,240.6	157
TOTAL	48,580.2	---	6,971.5	---	2,195
Avg/Month	4,048.4	7,519.0	581.0	1,202.2	183
1979					
January	4,756.0	9,016.0	676.6	1,115.1	315
February	4,235.9	8,006.1	793.7	1,009.7	537
March	4,318.9	8,856.2	429.3	1,079.5	443
April	4,076.1	9,529.4	238.9	1,247.6	285
May	4,141.3	10,199.1	242.8	1,193.6	383
June	4,328.6	10,659.5	366.0	1,134.7	353
July	4,401.2	9,758.4	404.9	1,135.2	207
August	4,523.1	9,898.0	184.2	1,329.8	233
September	4,243.5	10,064.0	169.7	1,526.5	372
October	3,867.7	10,883.0	301.7	1,284.7	377
November	4,103.2	11,276.5	435.5	1,182.9	398
December	4,497.2	10,846.2	222.1	1,365.2	266
TOTAL	51,492.0	---	4,470.4	---	4,169
Avg/Month	4,291.0	9,966.0	372.5	1,217.0	347
1980					
January	4,460.0	10,083.0	247.0	1,347.0	317
February	3,935.0	11,351.0	258.0	1,309.0	316
March	4,098.0	11,189.0	182.0	1,247.0	354
April	3,639.0	11,306.0	95.0	1,360.0	129
May	3,397.0	12,898.0	104.0	1,289.0	132
June	3,655.3	13,631.9	108.5	1,282.5	261
July	4,249.1	12,928.8	206.7	1,253.3	301
August	4,336.7	13,114.2	297.6	1,399.9	799
September	3,328.2	13,309.7	123.9	1,097.7	99

Source: FPC Form 4 of major Ohio electric utilities and the Ohio Department of Energy.

Table 6. Ohio Electricity Consumption
October 1978 - September 1980
(Thousand MWH)

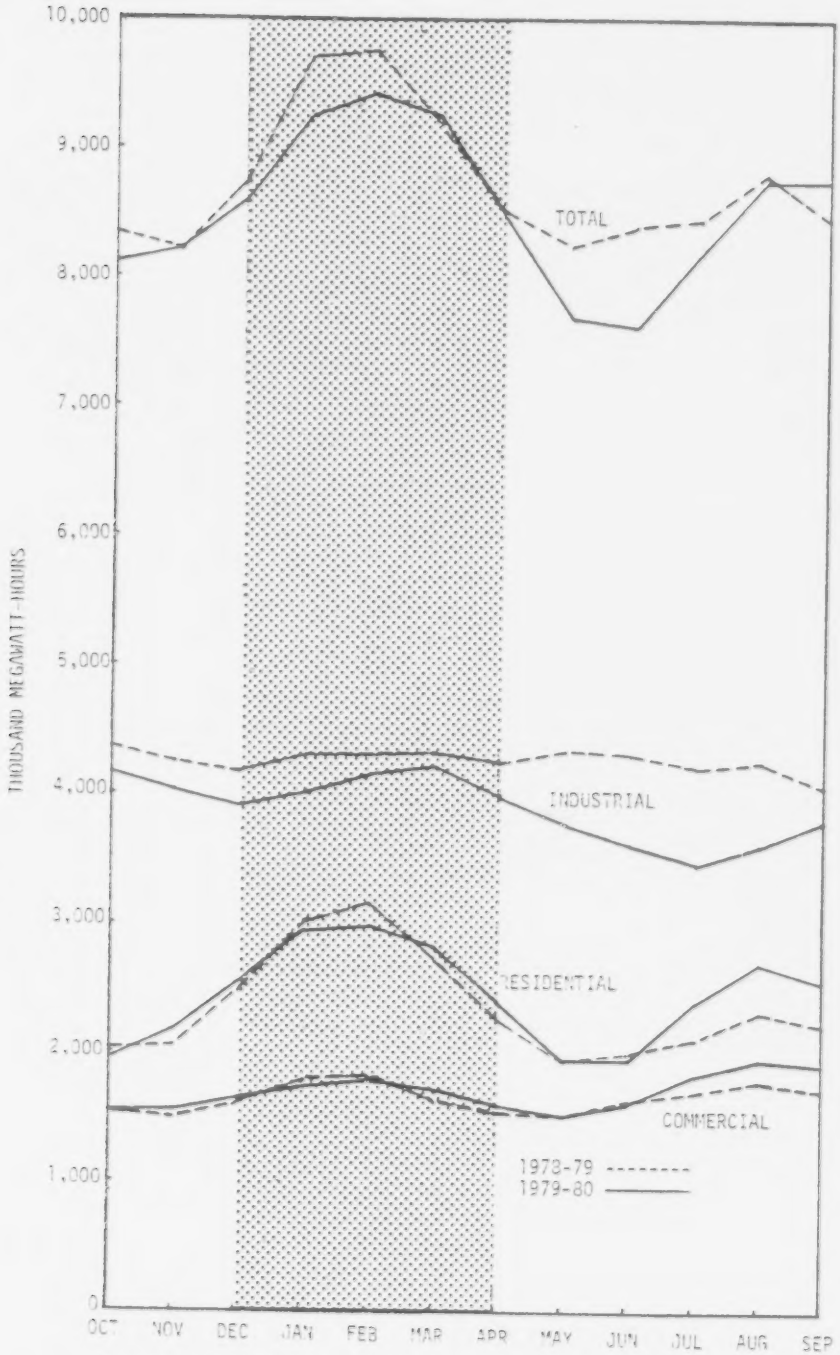
	October	November	December	January	February	March	April	May	June	July	August	September	Total
Residential													
1979-80	1,964.1	2,175.4	2,541.1	2,946.4	2,978.8	2,827.9	2,374.0	1,955.3	1,942.2	2,387.1	2,711.1	2,560.5	29,363.9
1978-79	2,021.5	2,039.9	2,485.5	3,090.0	3,144.9	2,707.6	2,260.4	1,951.2	1,999.6	2,097.5	2,315.2	2,217.1	28,330.4
% Change*	-2.8	6.6	2.2	-4.6	-5.2	4.4	5.0	0.2	-2.8	13.8	17.1	15.5	3.6
Commercial													
1979-80	1,547.2	1,550.2	1,642.2	1,732.7	1,785.8	1,720.5	1,596.7	1,518.9	1,622.4	1,830.1	1,946.0	1,907.2	20,399.9
1978-79	1,540.0	1,491.6	1,606.7	1,778.9	1,823.9	1,651.7	1,541.8	1,518.9	1,640.6	1,697.7	1,777.7	1,712.3	19,781.8
% Change*	0.5	3.9	2.2	-2.5	-2.0	4.1	3.5	0.0	-1.1	7.8	9.5	11.4	3.1
Industrial													
1979-80	4,132.3	4,032.8	3,920.5	4,055.4	4,143.9	4,196.2	4,006.3	3,785.3	3,616.0	3,475.9	3,621.3	3,806.1	46,792.0
1978-79	4,337.7	4,221.8	4,164.9	4,311.2	4,287.3	4,324.4	4,249.8	4,340.7	4,305.0	4,194.1	4,261.0	4,070.8	51,068.7
% Change	-4.7	-4.5	-5.9	-5.9	-3.3	-2.9	-5.7	-12.8	-16.0	-17.1	-15.0	-6.5	-8.4
Other													
1979-80	461.0	458.7	478.4	509.7	511.4	500.6	462.4	445.3	443.8	477.8	487.0	483.7	5,719.8
1978-79	454.6	447.9	486.5	526.4	509.4	492.6	451.5	445.0	444.3	444.7	459.6	444.4	5,606.9
% Change	1.4	2.4	-1.7	-3.1	0.3	1.6	2.4	-0.6	-0.1	7.4	6.0	8.8	2.0
Total													
1979-80	8,104.6	8,217.1	8,582.2	9,244.2	9,419.9	9,245.0	8,439.5	7,704.9	7,624.6	8,170.8	8,765.4	8,757.3	102,275.5
1978-79	8,353.7	8,201.1	8,743.7	9,706.6	9,765.5	9,176.4	8,503.4	8,255.9	8,389.4	8,434.0	8,813.5	8,444.7	104,787.9
% Change	-3.0	0.2	-1.8	-4.7	-3.5	0.7	-0.7	-6.6	-9.1	-3.1	-0.5	3.7	-2.4
Customers (000)													
Residential	3,402.2	3,409.4	3,416.6	3,423.3	3,428.9	3,431.4	3,430.1	3,430.4	3,428.6	3,426.5	3,427.6	3,429.6	
Commercial	347.7	348.3	348.8	349.3	349.7	349.8	350.8	351.0	350.2	350.8	350.6	350.8	
Industrial	22.2	22.3	22.4	22.5	22.5	22.5	22.5	22.6	22.7	22.8	22.9	22.9	
Total	3,772.1	3,780.0	3,787.8	3,795.1	3,801.1	3,803.7	3,803.4	3,804.0	3,801.5	3,800.2	3,801.6	3,803.2	

*Percentage changes is for the same period of the previous year (1978-1979).

Notes: (1) Excludes sales to other utilities.
(2) Figures may not add due to independent rounding.
(3) Figures reported include CG&E, CEI, C&SOE, DP&L, MP, OE, OP and TE.

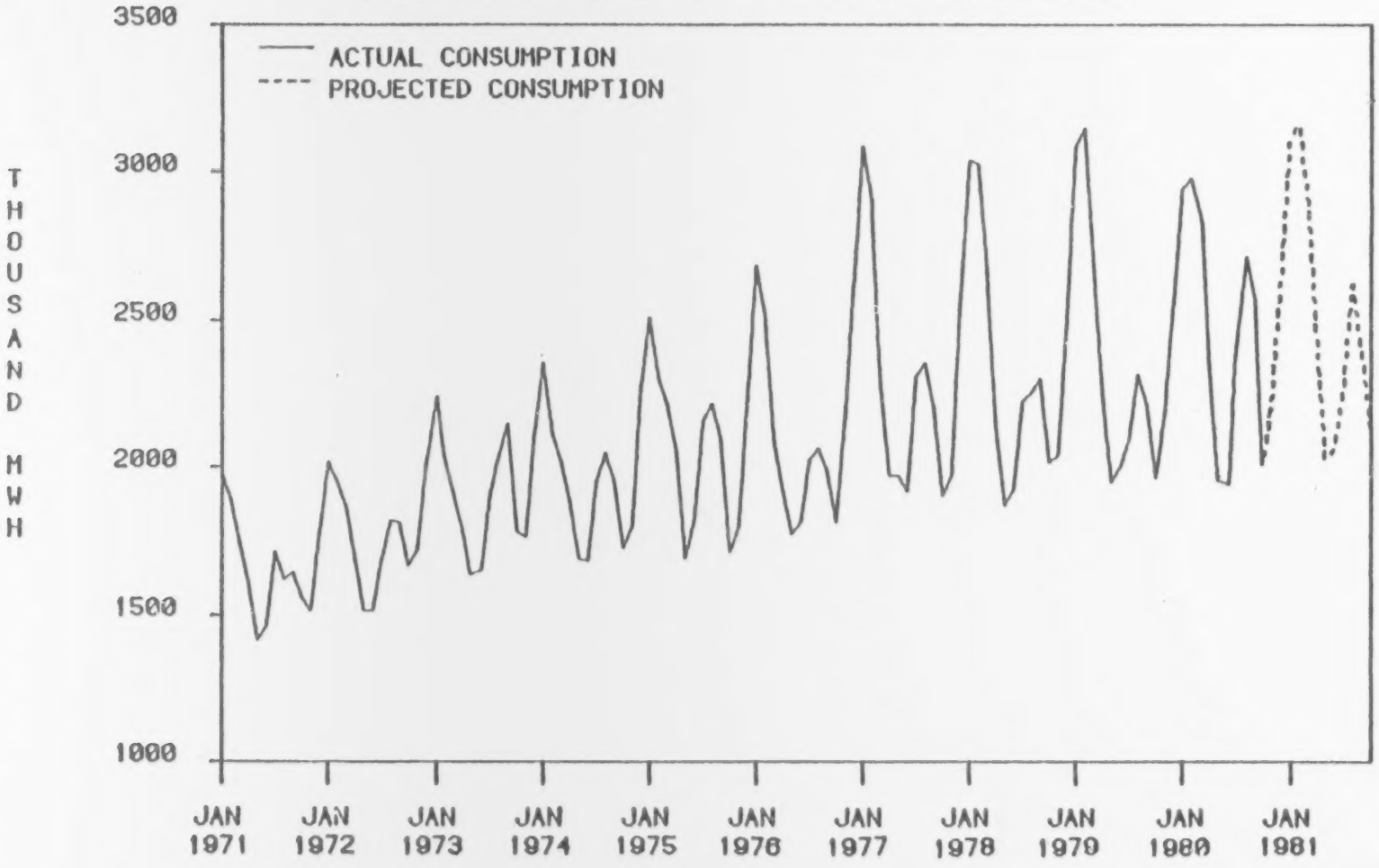
Source: Ohio Electric Utility Institute's Monthly Summaries and ODOE Form SE-1.

Figure 5. Comparison of Ohio Electricity Consumption by Sector
October 1978 - September 1980



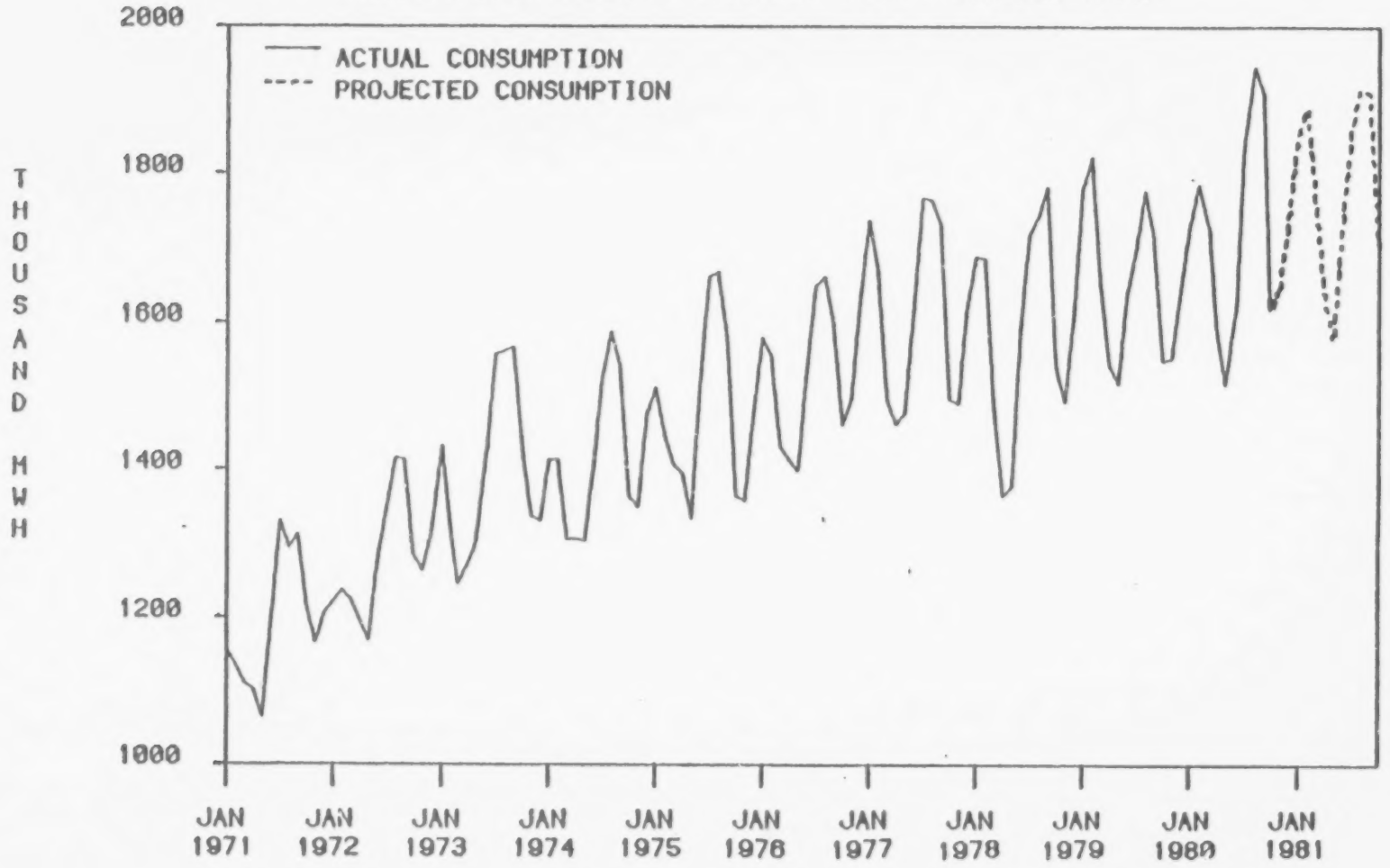
Source. Ohio Electric Utility Institute's Monthly Summaries.

FIGURE 6. MONTHLY OHIO RESIDENTIAL ELECTRICITY CONSUMPTION
ACTUAL AND PROJECTED (JANUARY 1971 - OCTOBER 1981)



SOURCE: OHIO ELECTRIC UTILITY INSTITUTE AND THE OHIO DEPARTMENT OF ENERGY
(EXCLUDING OVEC)

FIGURE 7. MONTHLY OHIO COMMERCIAL ELECTRICITY CONSUMPTION
ACTUAL AND PROJECTED (JANUARY 1971 - OCTOBER 1981)

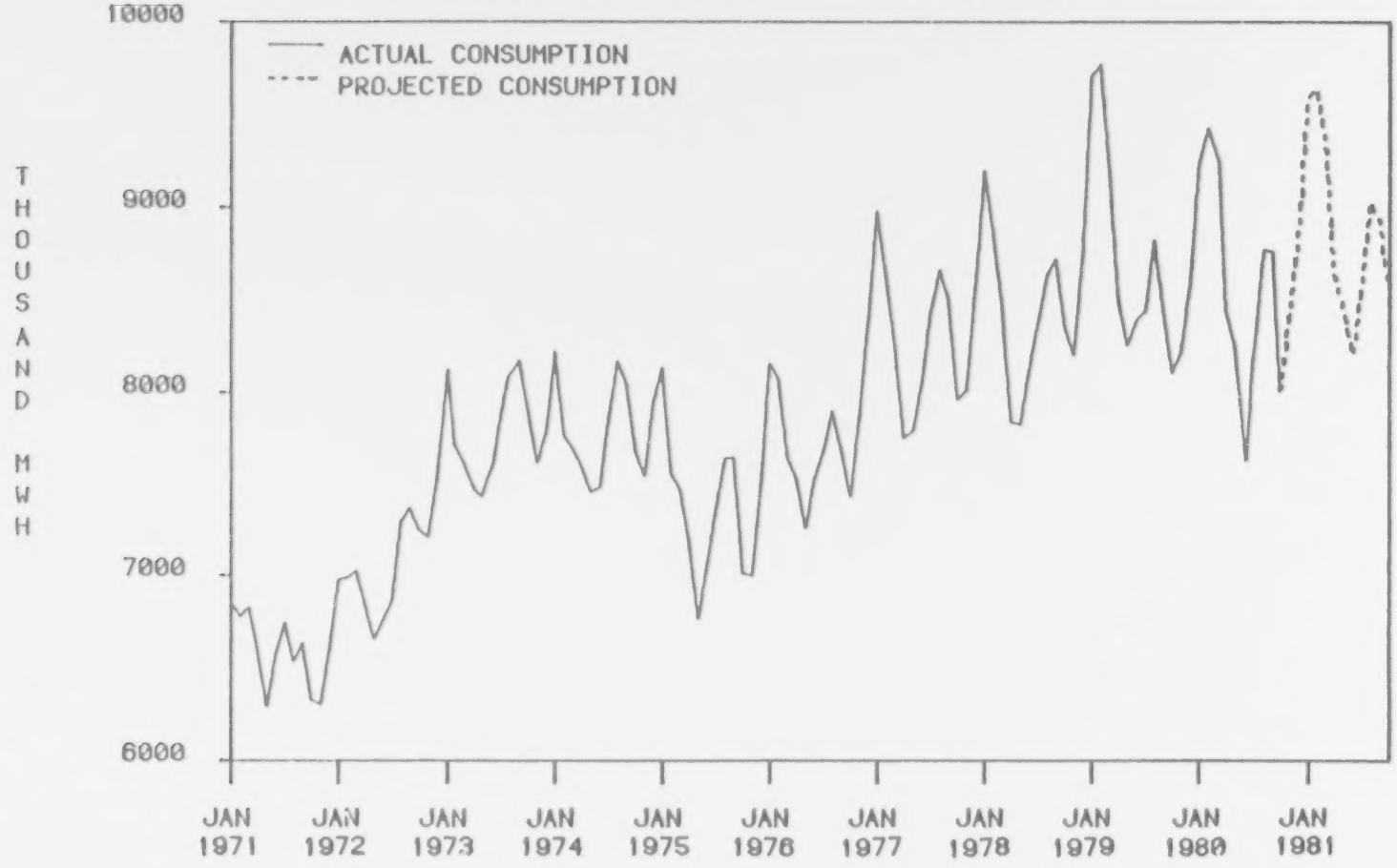


SOURCE: OHIO ELECTRIC UTILITY INSTITUTE AND THE OHIO DEPARTMENT OF ENERGY
(EXCLUDING OVEC)

FIGURE 8. MONTHLY OHIO INDUSTRIAL ELECTRICITY CONSUMPTION
ACTUAL AND PROJECTED (JANUARY 1971 - OCTOBER 1981)

SOURCE: OHIO ELECTRIC UTILITY INSTITUTE AND THE OHIO DEPARTMENT OF ENERGY
(EXCLUDING OVEC)

FIGURE 9. TOTAL MONTHLY ELECTRICITY CONSUMPTION
ACTUAL AND PROJECTED (JANUARY 1971 - OCTOBER 1981)



SOURCE: OHIO ELECTRIC UTILITY INSTITUTE AND THE OHIO DEPARTMENT OF ENERGY
(EXCLUDING OVEC)

the utility's service area, which may or may not be located entirely within Ohio; and 2) an aggregate demand for electricity within the state of Ohio is forecast by sector (residential, commercial and industrial).

Electric Demand Forecast by Utility Service Area

For each utility service area, two electric demand forecasts are provided. One of the forecasts is a reporting utility forecast and the other is provided by the Ohio Department of Energy (Appendix A, Tables A-1 through A-9).

The Ohio Department of Energy forecasts are based on monthly data from the utility reports between January 1970 and September 1980. No independent forecast is given for OVEC because this utility has only one customer whose demand is preplanned.

Because of the overlapping months for the forecasts prepared on July 1 and November 1, the utilities may elect to use their last forecasts for those overlapping months in the new forecasting period. However, in this reporting period over half of the utilities have revised their forecasts from higher demand expectations to lower demand expectations, because of lower consumption experienced by those utilities recently.

Still, the utility forecasts generally are higher than those given by the ODOE. The Columbus and Southern Ohio Electric Company which serves the central Ohio area, forecasts the highest growth rate among all of the utilities. The ODOE forecasts are similar to those contained in the last report; growth rates will most likely decrease in the north and northeast areas of Ohio, where ODOE forecasts fall below actual demand. In the central and southeast areas, ODOE forecasts anticipate a slight gain over actual demand. The lower forecast by ODOE reflects slower recoveries from the current recession and continued conservation by Ohioans.

Electric Demand Forecast by Sector

Except for OVEC, Ohio's demand for electricity from all eight major reporting utilities may be estimated based on monthly consumption data from January 1971 through September 1980 (Table 6 and Figures 6 through 9). For each sector, this period provides a time series of 117 observations. Based on these observations, a forecasting model is constructed to generate a monthly forecast for the future months through October 1981. These sectoral forecasts are included in Appendix A, Tables A-10 through A-13.

The total Ohio electric demand forecast projects an increase of approximately 4 percent annually. This increase can only be interpreted as recovery in nature because the forecasts are compared to a year of lower than normal consumption. The residential and the commercial sectors are expected to have an annual growth rate of 2.3 percent and 3.8 percent respectively. The forecast for the industrial sector shows a decline of 3.3 percent from a year ago. Thus, the forecast suggests that higher growth rates are centered in the residential and the commercial sectors.

Assessment of Fuel Adequacy by Utility/Utility Group

Average daily requirements were determined by dividing projected monthly coal consumption by the number of days in the month. End-of-month stocks were derived by considering consecutively end of October 1980 stocks, projected monthly coal delivery schedules as submitted by the utilities, and projected monthly coal consumption levels. Number of days' supply of coal was estimated on the basis of average daily requirements in subsequent months and the level of end-of-month stocks for the month in question.

Coal consumption projections were made through the use of a formula which adjusts coal consumption levels for changes in the consumption of oil,

natural gas, and nuclear fuel in a manner that is consistent with the projected demand, or net energy for load. In making these projections it is assumed that the following conditions will be satisfied:

1. Monthly demand (net energy for load) for November 1980 through October 1981 will be realized in the manner projected by the utility companies.
2. Energy required to supply projected net energy for load in a given month of November 1980 through October 1981 will be proportional to the energy consumed in supplying the actual net energy for load in the respective months of November 1978 through October 1980.
3. Monthly delivery schedules for all fuels in 1980 through 1981 will be met in the manner projected by the utility companies.
4. Nuclear generating units will function properly with a load factor of 60 percent.

In the case of the CAPCO and CCD groups, where individual members have interconnected transmission systems and operate jointly-owned generation units, the figures presented in this report for the total groups are more significant than those reported for the individual members. As displayed in Table 7, the number of days' supply of coal through the end of March 1981 for the AEP, APS, CCD, and CAPCO utility groups ranges from 72 days to 122 days. A 90-day supply of coal should be sufficient in the event of a supply disruption.

The assessment of oil adequacy is derived by using utilities' projected monthly consumption and deliveries. The projected deliveries are low compared to the consumption levels experienced in the 1970's. Oil deliveries are believed sufficient, however, since the utilities have demonstrated their ability to reduce fuel oil consumption in the first nine months of 1980. The actual consumption of oil in this period accounts for only 46 percent of the same period in 1979.

Table 7. Electric Utilities Demand Forecast, Fuel Assessment, and Inventory Model
(November 1980 - October 1981)

CAPCO GROUP (EXCLUDING DUQUESNE LIGHT COMPANY)

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL
DEMAND FORECAST (GWH)	4185.0	4428.0	4690.9	4194.5	4453.5	4198.1	4144.2	4354.4	4519.7	4582.8	4239.6	4368.0	52358.6
EST DEMAND GEN BY COAL	2984.2	2867.7	3078.7	2472.5	3290.3	3636.5	3573.1	3555.2	3525.8	3811.6	3197.2	3119.7	39112.5
EST DEMAND GEN BY OIL	64.0	53.6	57.2	67.7	34.4	16.3	7.9	12.5	11.4	21.2	27.0	75.6	448.9
PROJ DAILY CONSUMPTION													
COAL (KTONS)	41.72	38.80	41.65	35.76	44.52	50.84	48.34	49.70	47.70	51.57	44.70	42.21	
OIL (KBBL)	4.60	3.73	3.98	5.04	2.39	1.17	0.55	0.90	0.80	1.48	1.94	5.26	
COAL DELIVERIES (KTONS)	1326.1	1376.4	1462.8	1334.5	1381.8	1030.0	1250.6	1317.8	1346.8	1445.9	1403.8	1536.1	16212.7
OIL DELIVERIES (KBBL)	125.32	122.24	117.84	120.17	89.93	34.07	19.27	28.01	23.80	44.41	79.73	137.76	942.56
END OF MONTH STOCK													
COAL (KTONS)	3870.8	3966.3	4055.8	4287.5	4205.6	3612.7	3270.9	3002.8	2777.8	2524.4	2506.9	2655.0	
OIL (KBBL)	574.2	578.5	571.7	543.5	557.7	556.7	558.8	559.9	558.9	557.7	579.5	552.6	
NUMBER OF DAYS SUPPLY													
COAL	99.	96.	92.	90.	85.	74.	67.	61.	57.	58.	60.	66.	
OIL	251.	279.	270.	266.	257.	236.	210.	188.	163.	143.	131.	133.	

CLEVELAND ELECTRIC ILLUMINATING COMPANY

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL
DEMAND FORECAST (GWH)	1578.0	1654.0	1709.0	1507.0	1623.0	1519.0	1584.0	1642.0	1708.0	1716.0	1584.0	1636.0	19460.0
EST DEMAND GEN BY COAL	972.0	952.5	951.0	727.4	1053.1	1101.2	1146.3	1139.4	1171.2	1259.5	1116.3	927.3	12517.2
EST DEMAND GEN BY OIL	29.2	43.3	34.0	47.9	29.5	5.2	4.0	3.9	6.1	5.1	6.7	43.4	258.4
PROJ DAILY CONSUMPTION													
COAL (KTONS)	13.94	13.22	13.20	10.79	14.62	15.79	15.91	16.34	16.26	17.48	16.01	12.87	
OIL (KBBL)	2.16	3.10	2.43	3.66	2.11	0.38	0.28	0.29	0.44	0.37	0.49	3.10	
COAL DELIVERIES (KTONS)	414.7	445.1	440.2	378.3	433.6	259.6	333.5	417.2	460.5	463.1	483.2	474.7	5005.7
OIL DELIVERIES (KBBL)	58.76	87.36	68.60	96.64	59.52	10.31	7.93	7.93	12.29	10.31	13.50	87.17	520.32
END OF MONTH STOCK													
COAL (KTONS)	1028.7	1063.9	1094.8	1160.2	1140.6	926.4	766.6	693.5	650.0	571.2	574.0	649.7	
OIL (KBBL)	416.5	407.8	400.9	391.3	385.3	384.2	383.3	382.5	381.2	380.0	378.8	369.8	
NUMBER OF DAYS SUPPLY													
COAL	81.	83.	81.	76.	72.	58.	47.	42.	38.	37.	44.	48.	
OIL	306.	304.	304.	306.	299.	274.	246.	218.	190.	162.	134.	134.	

Table 7. Electric Utilities Demand Forecast, Fuel Assessment, and Inventory Model (Cont'd)
(November 1980 - October 1981)

OHIO EDISON SYSTEM

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL
DEMAND FORECAST (GWH)	1923.1	2033.0	2240.7	1982.9	2128.0	2016.0	1902.2	2037.5	2114.2	2145.6	1967.5	2041.8	24532.5
EST DEMAND GEN BY COAL	1702.3	1651.9	1778.5	1443.9	1818.4	2123.8	2020.7	2035.5	1981.8	2148.2	1707.5	1760.2	22172.7
EST DEMAND GEN BY OIL	31.9	4.7	22.9	10.3	4.5	10.7	3.4	8.1	4.9	15.7	17.9	23.1	158.0
PROJ DAILY CONSUMPTION													
COAL (KTONS)	26.29	24.69	26.58	23.07	27.18	32.80	30.20	31.44	29.62	32.11	26.37	26.31	
OIL (KBBL)	2.26	0.32	1.56	0.75	0.31	0.75	0.23	0.58	0.33	1.07	1.26	1.58	
COAL DELIVERIES (KTONS)	759.4	771.3	837.6	771.2	763.2	770.4	737.1	720.6	746.3	802.8	740.6	881.4	9302.0
OIL DELIVERIES (KBBL)	66.31	9.74	47.58	21.38	9.10	22.33	7.06	16.75	10.08	32.67	37.30	47.85	328.15
END OF MONTH STOCK													
COAL (KTONS)	2390.9	2396.9	2410.5	2512.8	2433.5	2220.0	2020.9	1798.5	1626.6	1434.1	1383.6	1449.5	
OIL (KBBL)	115.8	115.7	114.8	114.3	114.0	113.6	113.4	112.9	112.7	112.2	111.5	110.5	
NUMBER OF DAYS SUPPLY													
COAL	96.	93.	87.	84.	77.	73.	66.	58.	55.	54.	53.	57.	
OIL	167.	162.	206.	195.	171.	158.	131.	112.	87.	72.	59.	82.	

TOLEDO EDISON

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL
DEMAND FORECAST (GWH)	683.9	741.0	741.2	704.6	702.5	663.1	658.0	674.9	697.5	721.2	688.1	690.2	8366.2
EST DEMAND GEN BY COAL	309.9	263.2	349.1	301.2	418.9	411.5	406.1	380.2	372.7	403.9	373.5	432.3	4422.6
EST DEMAND GEN BY OIL	2.9	5.6	0.4	9.5	0.4	0.5	0.5	0.4	0.4	0.4	2.5	9.2	32.6
PROJ DAILY CONSUMPTION													
COAL (KTONS)	4.15	3.41	4.52	4.17	5.42	5.50	5.26	5.09	4.82	5.23	5.00	5.60	
OIL (KBBL)	0.20	0.38	0.03	0.70	0.02	0.03	0.04	0.03	0.03	0.03	0.18	0.63	
COAL DELIVERIES (KTONS)	150.0	160.0	185.0	185.0	185.0	0.0	180.0	180.0	140.0	180.0	180.0	180.0	1905.0
OIL DELIVERIES (KBBL)	0.26	25.14	1.67	2.14	21.31	1.43	4.29	3.33	1.43	1.43	28.93	2.74	94.09
END OF MONTH STOCK													
COAL (KTONS)	451.2	505.5	550.4	614.5	631.5	466.3	483.4	510.8	501.2	519.1	549.2	555.8	
OIL (KBBL)	41.8	55.1	56.0	37.9	58.4	58.9	62.0	64.5	65.0	65.5	89.2	72.4	
NUMBER OF DAYS SUPPLY													
COAL	107.	105.	108.	115.	122.	92.	96.	101.	96.	112.	124.	133.	
OIL	294.	323.	300.	279.	320.	292.	268.	242.	223.	241.	398.	381.	

Table 7. Electric Utilities Demand Forecast, Fuel Assessment, and Inventory Model (Cont'd)
(November 1980 - October 1981)

CCD GROUP

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL
DEMAND FORECAST (GWH)	2911.3	3287.0	3586.4	3122.7	3009.8	2724.2	2859.4	3031.8	3379.1	3337.6	2905.1	2899.5	37053.8
EST DEMAND GEN BY COAL	2978.3	3336.0	3535.9	3032.1	3100.8	2786.6	2863.2	3186.8	3577.5	3331.2	2894.3	2922.4	37544.8
EST DEMAND GEN BY OIL	48.5	49.3	37.4	42.1	37.7	23.0	19.7	15.6	27.7	23.8	20.1	30.3	375.2
PROJ DAILY CONSUMPTION													
COAL (KTONS)	46.25	50.13	53.14	48.71	46.60	43.27	43.03	49.49	53.76	50.06	44.94	43.92	
OIL (KBBL)	7.35	7.22	5.48	6.60	5.53	3.48	2.89	2.37	4.06	3.48	3.04	4.44	
COAL DELIVERIES (KTONS)	1595.1	1726.7	1706.6	1541.6	1454.7	766.4	795.4	928.4	1065.4	1438.4	1484.1	1366.6	15869.4
OIL DELIVERIES (KBBL)	112.47	105.27	78.55	84.76	73.67	32.52	271.81	43.79	94.90	68.00	49.17	56.74	1071.65
END OF MONTH STOCK													
COAL (KTONS)	4774.2	4951.3	5013.5	5146.7	5157.7	4628.6	4097.3	3545.1	2948.9	2840.6	2978.7	2986.4	
OIL (KBBL)	644.2	611.0	581.5	554.6	540.7	518.2	737.7	735.9	747.5	741.5	739.4	715.7	
NUMBER OF DAYS SUPPLY													
COAL	94.	101.	110.	114.	110.	95.	80.	69.	62.	64.	66.	62.	
OIL	102.	114.	132.	151.	167.	160.	181.	160.	148.	134.	121.	107.	

CINCINNATI GAS & ELECTRIC COMPANY

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL
DEMAND FORECAST (GWH)	1179.5	1346.8	1487.0	1294.0	1247.1	1136.5	1205.7	1284.4	1454.9	1469.2	1225.2	1185.1	15515.5
EST DEMAND GEN BY COAL	1037.7	1075.7	1316.2	1118.8	1158.3	1077.9	1231.8	1228.9	1348.3	1319.6	1163.6	1112.5	14189.4
EST DEMAND GEN BY OIL	7.4	5.1	5.9	4.3	0.7	1.3	2.4	2.8	6.8	6.5	1.7	4.5	49.5
PROJ DAILY CONSUMPTION													
COAL (KTONS)	16.00	16.05	19.64	17.84	17.28	16.62	18.38	18.95	20.12	19.69	17.94	16.60	
OIL (KBBL)	1.31	0.87	1.01	0.78	0.13	0.22	0.41	0.50	1.17	1.10	0.30	0.77	
COAL DELIVERIES (KTONS)	630.0	630.0	630.0	600.0	602.7	300.0	300.0	450.0	500.0	550.0	550.0	526.2	6268.9
OIL DELIVERIES (KBBL)	40.00	20.00	20.00	20.00	20.00	0.0	20.00	20.00	20.00	40.00	20.00	20.00	260.00
END OF MONTH STOCK													
COAL (KTONS)	1401.8	1534.3	1555.5	1638.0	1705.0	1506.5	1236.8	1118.5	994.8	934.5	946.4	958.0	
OIL (KBBL)	237.7	230.6	219.2	216.6	232.6	226.0	233.2	238.3	222.1	227.9	238.8	235.0	
NUMBER OF DAYS SUPPLY													
COAL	79.	84.	90.	94.	94.	79.	63.	56.	52.	54.	58.	60.	
OIL	347.	332.	322.	315.	303.	273.	267.	315.	328.	335.	323.	325.	

Table 7. Electric Utilities Demand Forecast, Fuel Assessment, and Inventory Model (Cont'd)
(November 1980 - October 1981)

DAYTON POWER & LIGHT COMPANY

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL
DEMAND FORECAST (GWH)	888.9	995.2	1044.4	965.7	931.7	830.6	822.6	862.3	965.2	941.4	837.9	883.4	10969.3
EST DEMAND GEN BY COAL	1006.1	1330.3	1237.5	1115.5	1035.1	961.4	1027.1	1127.1	1301.0	1184.2	955.2	1010.9	13291.5
EST DEMAND GEN BY OIL	38.0	38.5	28.1	34.6	34.6	20.5	16.0	11.6	19.5	16.0	17.0	24.6	299.0
PROJ DAILY CONSUMPTION													
COAL (KTONS)	15.12	19.35	18.00	17.35	15.06	14.45	14.94	16.94	18.93	17.23	14.36	14.71	
OIL (KBBL)	2.53	2.48	1.81	2.38	2.23	1.37	1.03	0.77	1.26	1.03	1.13	1.58	
COAL DELIVERIES (KTONS)	534.0	643.0	592.0	540.0	454.0	155.0	184.0	192.0	279.0	602.0	622.0	529.0	5326.0
OIL DELIVERIES (KBBL)	50.00	49.00	38.00	45.00	39.00	25.00	244.00	16.00	67.00	20.00	21.00	29.00	643.00
END OF MONTH STOCK													
COAL (KTONS)	1964.3	2007.3	2041.2	2078.1	2065.3	1786.7	1507.5	1191.1	883.4	951.3	1142.4	1215.5	
OIL (KBBL)	246.0	218.1	200.0	176.0	146.0	130.0	342.0	334.9	363.0	351.0	338.1	318.0	
NUMBER OF DAYS SUPPLY													
COAL	111.	124.	131.	133.	126.	105.	85.	67.	55.	65.	73.	70.	
OIL	111.	109.	110.	131.	133.	127.	221.	200.	200.	178.	157.	139.	

COLUMBUS & SOUTHERN OHIO ELECTRIC COMPANY

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL
DEMAND FORECAST (GWH)	843.0	945.0	1055.0	863.0	831.0	757.0	831.0	885.0	959.0	927.0	842.0	831.0	10569.0
EST DEMAND GEN BY COAL	934.5	929.9	982.1	797.8	907.4	747.2	604.3	830.8	928.1	827.4	775.4	799.0	10063.9
EST DEMAND GEN BY OIL	3.0	5.7	3.4	3.3	2.4	1.2	1.2	1.2	1.3	1.3	1.3	1.2	26.7
PROJ DAILY CONSUMPTION													
COAL (KTONS)	15.14	14.59	15.40	13.38	14.23	12.11	9.48	13.46	14.56	12.98	12.57	12.53	
OIL (KBBL)	0.62	1.11	0.66	0.69	0.47	0.25	0.24	0.25	0.26	0.25	0.27	0.24	
COAL DELIVERIES (KTONS)	431.1	453.7	484.6	401.6	398.0	311.4	311.4	286.4	286.4	286.4	312.1	311.4	4274.5
OIL DELIVERIES (KBBL)	22.47	36.27	20.55	19.76	14.67	7.52	7.81	7.79	7.90	8.00	8.17	7.74	168.65
END OF MONTH STOCK													
COAL (KTONS)	1408.2	1409.7	1416.8	1430.5	1387.3	1335.4	1353.0	1235.5	1070.7	954.8	889.9	812.8	
OIL (KBBL)	160.5	162.3	162.3	162.1	162.1	162.2	162.4	162.7	162.4	162.5	162.5	162.6	
NUMBER OF DAYS SUPPLY													
COAL	97.	100.	114.	117.	113.	106.	100.	92.	84.	74.	64.	55.	
OIL	363.	366.	366.	365.	365.	365.	366.	366.	365.	366.	366.	366.	

Table 7. Electric Utilities Demand Forecast, Fuel Assessment, and Inventory Model (Cont'd)
(November 1980 - October 1981)

AMERICAN ELECTRIC POWER SYSTEM (EXCLUDING CSOE)

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL
DEMAND FORECAST (GWH)	6317.0	7136.0	7930.0	7122.0	7060.0	6303.0	6228.0	6079.0	6329.0	6647.0	6269.0	6431.0	79850.9
EST DEMAND GEN BY COAL	7207.7	8684.5	9571.5	8475.2	7893.1	7097.2	6875.7	7677.8	7772.0	7956.5	7309.7	5980.8	92501.4
EST DEMAND GEN BY OIL	4.4	4.3	4.8	5.0	4.2	3.8	4.4	4.3	4.4	3.3	3.8	3.2	49.8
PROJ DAILY CONSUMPTION													
COAL (KTONS)	107.73	125.62	138.45	131.04	114.17	106.08	99.45	114.76	112.42	115.09	109.25	86.51	
OIL (KBBL)	2.57	2.40	2.67	2.99	2.38	2.19	2.45	2.47	2.49	1.87	2.18	1.81	
COAL DELIVERIES (KTONS)	3645.9	3861.3	3478.4	3432.4	3461.0	2978.6	3351.6	3462.6	2675.6	3538.6	3490.9	3649.6	41026.5
OIL DELIVERIES (KBBL)	72.69	77.08	82.95	85.19	78.57	67.89	72.68	72.99	72.49	56.78	67.44	57.60	864.36
END OF MONTH STOCK													
COAL (KTONS)	11658.6	11625.7	10812.3	10444.4	10366.1	10162.4	10430.9	10450.8	9641.4	9612.3	9825.6	10793.4	
OIL (KBBL)	488.1	490.7	490.8	489.2	494.1	496.1	493.0	491.9	487.3	486.2	488.2	489.8	
NUMBER OF DAYS SUPPLY													
COAL	88.	91.	93.	98.	97.	93.	91.	93.	93.	94.	92.	87.	
OIL	195.	195.	202.	214.	223.	219.	218.	215.	209.	200.	200.	194.	

ALLEGHENY POWER SYSTEM

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL
DEMAND FORECAST (GWH)	2527.7	2828.4	3036.4	2819.4	2851.2	2584.0	2589.3	2513.7	2622.7	2724.7	2607.3	2717.0	32421.7
EST DEMAND GEN BY COAL	2772.9	3099.9	3154.8	2923.7	2988.1	2948.3	3236.6	3282.9	3084.3	2948.1	2925.4	2988.7	36353.7
EST DEMAND GEN BY OIL	0.0	0.0	0.0	0.0	0.0	5.2	4.7	0.0	2.6	20.7	14.1	11.1	58.4
PROJ DAILY CONSUMPTION													
COAL (KTONS)	37.99	41.10	41.83	41.44	39.62	40.39	42.91	44.98	40.89	39.09	40.08	39.62	
OIL (KBBL)	0.0	0.0	0.0	0.0	0.0	0.71	0.62	0.0	0.35	2.75	1.93	1.48	
COAL DELIVERIES (KTONS)	1294.0	1294.0	1186.9	1186.9	1186.9	1186.9	1186.9	1186.9	1186.9	1186.9	1186.9	1186.9	14456.8
OIL DELIVERIES (KBBL)	15.36	15.36	21.16	21.16	21.16	21.16	21.16	21.16	21.16	21.16	21.16	21.16	242.30
END OF MONTH STOCK													
COAL (KTONS)	4268.5	4288.4	4178.7	4163.9	4122.7	4097.8	3954.5	3792.1	3711.3	3686.5	3671.1	3629.6	
OIL (KBBL)	368.5	383.9	405.0	426.2	447.4	447.2	449.2	470.4	480.7	416.6	379.8	355.1	
NUMBER OF DAYS SUPPLY													
COAL	104.	105.	103.	101.	97.	96.	95.	95.	94.	94.	93.	90.	
OIL	638.	614.	594.	575.	557.	542.	684.	685.	732.	709.	686.	663.	

Table 7. Electric Utilities Demand Forecast, Fuel Assessment, and Inventory Model (Cont'd)
(November 1980 - October 1981)

OHIO VALLEY ELECTRIC CORPORATION

	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	JULY	AUG	SEPT	OCT	TOTAL
DEMAND FORECAST (GWH)	1345.8	1370.4	1357.4	1218.6	1378.1	1340.9	1359.7	1276.6	1418.9	1363.0	1306.9	1407.1	16143.5
EST DEMAND GEN BY COAL	1271.8	1310.1	1280.1	1182.1	1266.5	1315.5	1362.4	1235.7	1413.2	1481.6	1483.3	1345.2	15947.4
PROJ DAILY CONSUMPTION COAL (KTONS)	18.28	18.23	17.81	17.58	17.62	18.91	18.95	17.77	19.66	20.61	21.33	18.72	
COAL DELIVERIES (KTONS)	585.0	593.0	587.0	533.0	605.0	591.0	679.6	651.6	322.5	700.6	672.6	616.0	7137.0
END OF MONTH STOCK COAL (KTONS)	1710.3	1738.2	1773.1	1796.3	1855.1	1878.7	1970.8	2089.4	1802.4	1864.0	1896.9	1932.7	
NUMBER OF DAYS SUPPLY COAL	96.	98.	98.	97.	100.	99.	101.	103.	89.	96.	103.	107.	

NATURAL GAS

Service shares of the gas distribution companies operating in Ohio are presented in Table 8 for the annual period September 1979 to August 1980. During this period of time, the four large distribution companies - Cincinnati Gas and Electric, Columbia Gas of Ohio, Dayton Power and Light, and East Ohio Gas - jointly distributed 94.70 percent of the reported natural gas requirements of the state. The four intermediate companies - National Gas and Oil, Ohio Gas, River Gas, and West Ohio Gas - distributed an additional 4.38 percent. The remaining 0.82 percent of the reported natural gas requirements were distributed by 22 small utilities. The figures presented in Table 8 do not include distribution by municipal utilities or self-help natural gas.

Supply

The major supplier of natural gas for the state of Ohio are presented in Table 9, and shown graphically in Figure 10. Between September 1979 and August 1980, the eight major gas distribution companies of Ohio, which together account for 99.08 percent of the reported natural gas distribution in the state, procured 939,880 MMCF of natural gas to meet Ohio's requirements. This represents a 6.8 percent decrease in the supplies of natural gas to Ohio compared to the same period last year. This decline is not due to a reduction in the availability of natural gas supplies as such; but rather, this reflects an adjustment by Ohio's gas distribution companies to the declining demand for natural gas by residential, commercial and industrial end users in Ohio, caused by effective conservation measures and a milder winter of 1979-1980.

Table 8. Total Natural Gas Requirements of All Commercial Utilities in Ohio Between September 1979 and August 1980 (MMCF)

	(1) Sales to All End Users	(2) Storage (In)	Total Requirement (1+2)	Percent of Total Ohio Requirement
Cincinnati Gas and Electric Co.	87,241	0	87,241	9.20
Columbia Gas of Ohio	341,312	0	341,312	35.98
Dayton Power and Light Co.	62,308	53	62,361	6.57
East Ohio Gas Co.	344,227	63,207	407,434	42.95
National Gas and Oil Co.	14,740	981	15,721	1.66
Ohio Gas Co.	7,110	0	7,110	0.75
River Gas Co.	4,475	0	4,475	0.47
West Ohio Gas Co.	14,226	0	14,226	1.50
Total Eight Major Utilities	875,639	64,241	939,880	99.08
Total Small Utilities	8,765	----	8,765	0.92
Total All Utilities	884,404	64,241	948,645	100.00

Source: ODOE Form SG-2 and SG-4.

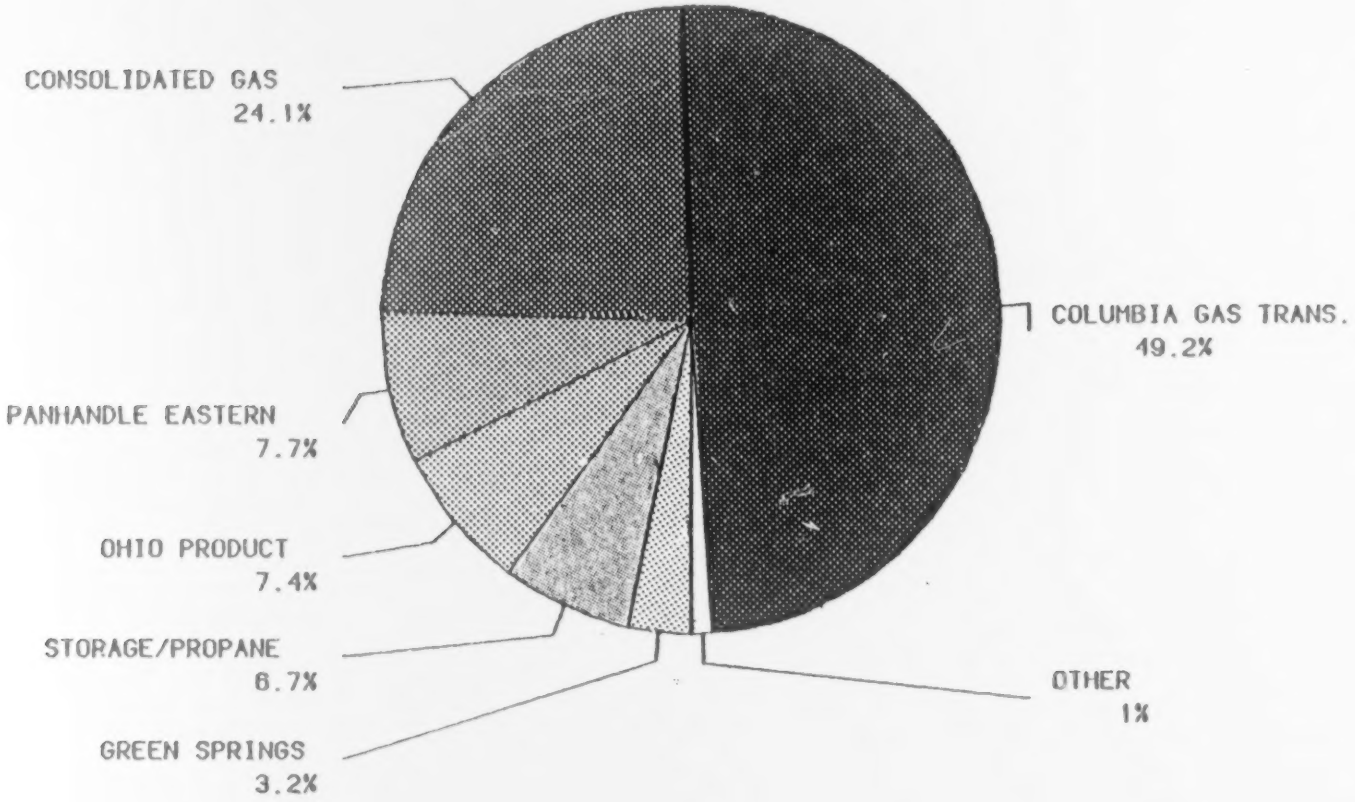
Table 9. Sources of Natural Gas Supplies to the Eight Major Gas Utilities Between September 1979 and August 1980 (MMCF)

Source	Supply	Percent of Total	Rank
Columbia Gas Transmission Corp.	462,979	49.26	1
Consolidated Gas Supply Corp.	227,139	24.17	2
Lawrenceburg Gas Transmission Corp.	2,238	0.24	8
Michigan/Wisconsin Pipe Line Co.	1,085	0.11	10
Panhandle Eastern Pipe Line Co.	72,807	7.75	3
Tennessee Gas Pipeline Co.	1,696	0.18	9
Texas Eastern Transmission Corp.	7,098	0.75	7
Texas Gas Transmission Corp.	261	0.03	11
Green Springs (SNG)	30,979	3.30	6
Storage/Propane*	63,639	6.77	5
Other	-745	-0.08	
Total SNG and Out-of-State	869,176	92.48	
Ohio Product	70,704	7.52	4
Total	939,880	100.00	

*Gas in storage represents a source of supply during the period under consideration.

Source: ODOE Form SG-2.

FIGURE 10. SOURCE OF NATURAL GAS SUPPLY TO
THE EIGHT MAJOR OHIO GAS UTILITIES (SEPT. 1979 - AUG. 1980)



PREPARED BY THE OHIO DEPARTMENT OF ENERGY

Of the 939,880 MMCF of total procurement, 92.48 percent is interstate gas purchases and SNG. The remaining 7.52 percent is purchases of Ohio gas. The 70,704 MMCF of Ohio production of natural gas purchased by the eight major gas utilities between September 1979 and August 1980 represents a 3.9 percent increase over their purchases of Ohio product during the preceding annual period. This amount corresponds approximately to 57 percent of the state's total production in the calendar year 1979. The remainder of the natural gas produced in Ohio is either transported directly to end users in the self-help program, or is distributed by some of the 22 smaller utilities and the municipal gas utilities.

Domestic interstate gas is the major source of supply for Ohio. Columbia Gas Transmission Corporation and Consolidated Gas Supply Corporation have provided 73.43 percent of the natural gas supplied to the eight major Ohio gas distribution companies. It is estimated that the reported volume of LNG in the pipelines of these two major suppliers accounted for 3.2 percent of the natural gas procured by Ohio utilities during the September 1979 - August 1980 annual period.

Due to USDOE's disagreement with Algerian price demands, shipments of LNG to the United States have stopped effective April 1980. Although the resolution of differences with the Algerian authorities is expected soon, final agreement has not yet been reached. The impact of this situation on reported supplies of natural gas from Consolidated Gas Supply Corporation should be nil during the 1980-81 heating season, for Consolidated Gas has not included procurements of LNG among its projected sources of supply for the 1980-81 heating season. However, LNG accounts for approximately 2.2 percent of Columbia Gas Transmission Corporation's projected heating season

supplies for 1980-81. At the present time, additional supplies of interstate natural gas are expected to be available. This would make up for the reduction in LNG imports if LNG deliveries are not resumed by the end of the 1980-81 heating season.

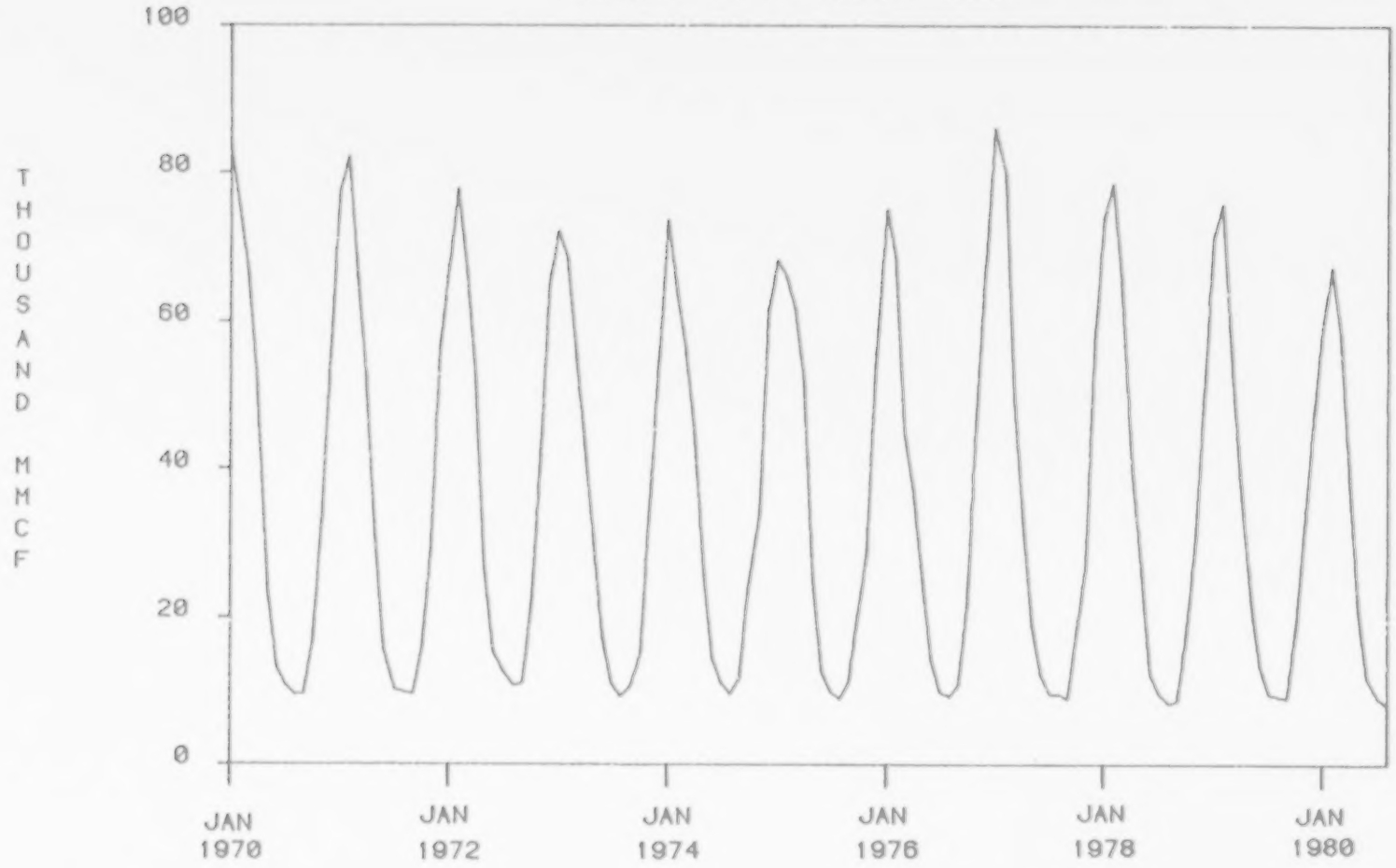
As a result of the cutoff of LNG deliveries, it is considered unlikely that the purchases of Ohio product will decline to 60,537 MMCF as projected in the Table 10, which exhibits a monthly comparison of actual and projected supplies, by source, for the eight major gas utilities. Actual natural gas supplies of individual utilities for the past two years are listed in Appendix B, Tables B-1 through B-8.

Historical Consumption

The regularities in the monthly time series behavior of residential, commercial, industrial and total natural gas consumption in Ohio, from January 1970 through August 1980, are displayed in Figures 11, 12, 13 and 14. The seasonal variation in residential and commercial consumption can easily be discerned from these illustrations. Natural gas usage in all sectors peaks during the heating season, and falls off during the cooling season. The effect of curtailments enforced on industry during the 1976-77 heating season is dramatically shown in Figure 13.

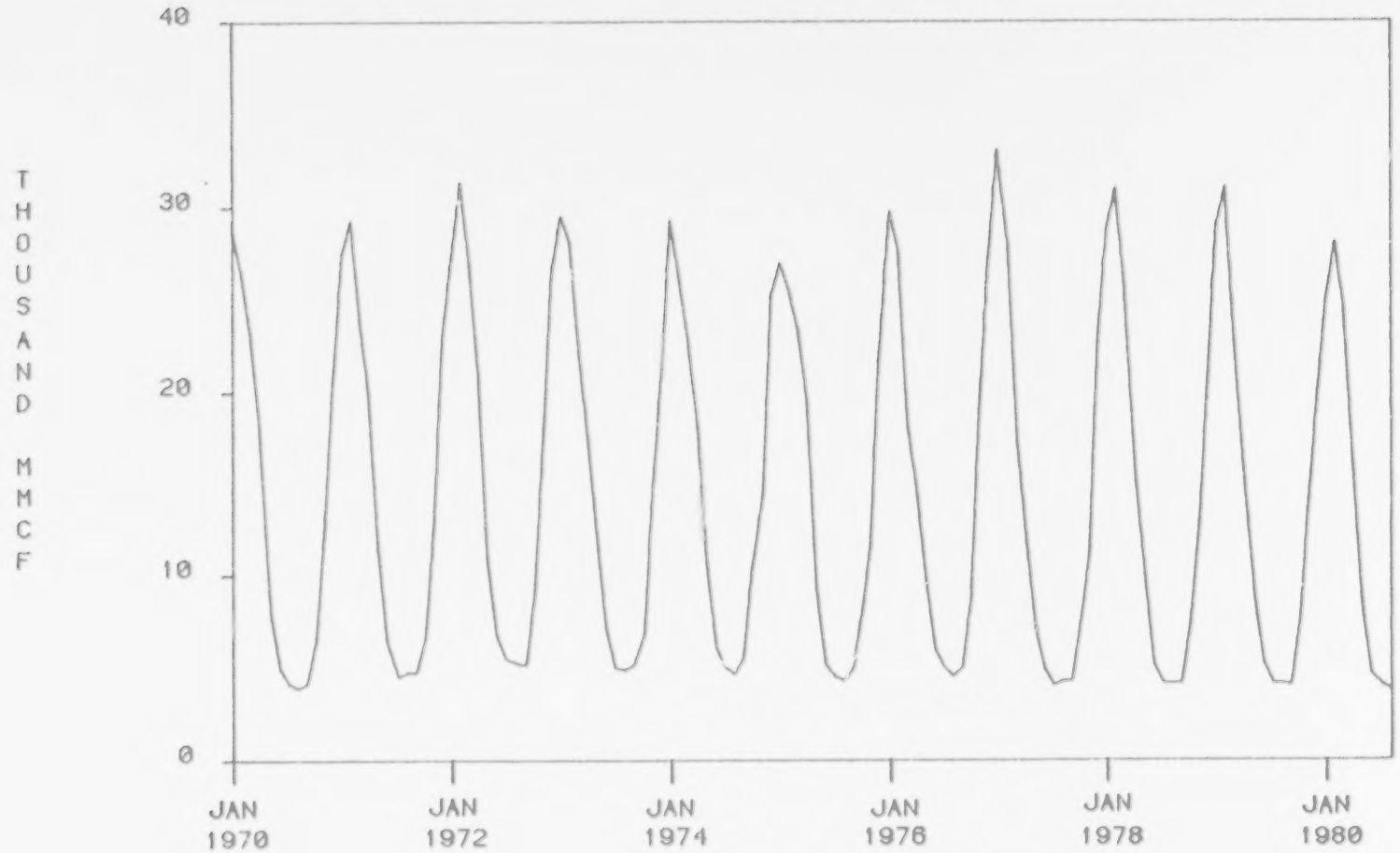
For the state as a whole, reported total annual requirements of natural gas between 1973 and 1979 have remained below the 1972 level. The behavior of total annual requirements of natural gas by Ohio end users can be observed in Figure 15. The greatest reduction in the reported requirements has taken place within the industrial end user class. This is due to the fact that industrial end users have lower priorities than residential or commercial end users in terms of their natural gas requirements. The aforementioned

FIGURE 11. MONTHLY OHIO RESIDENTIAL NATURAL GAS CONSUMPTION
JANUARY 1970 - AUGUST 1980



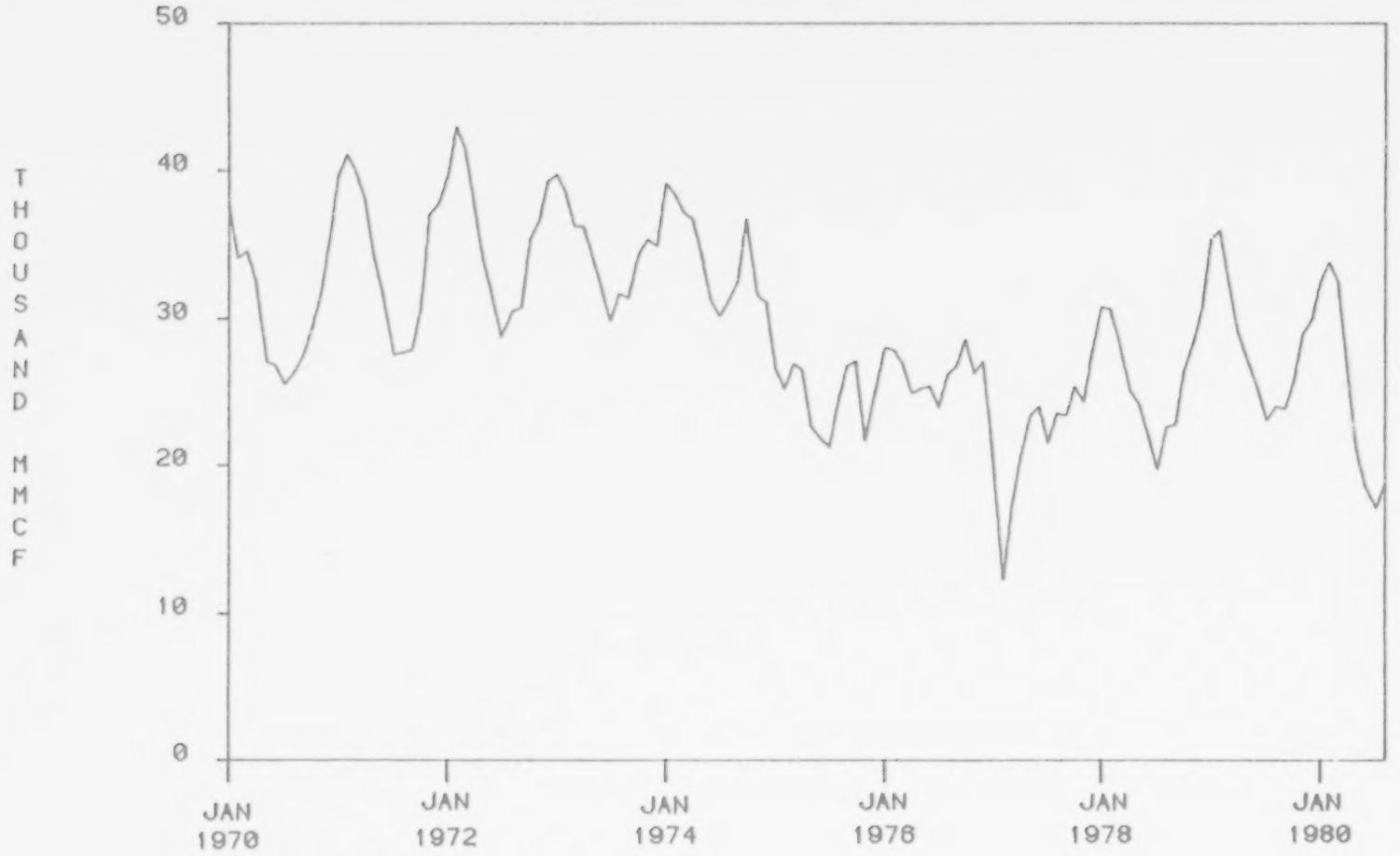
SOURCE: MONTHLY REPORTS OF EIGHT MAJOR GAS UTILITIES
AND THE OHIO DEPARTMENT OF ENERGY

FIGURE 12. MONTHLY OHIO COMMERCIAL NATURAL GAS CONSUMPTION
JANUARY 1970 - AUGUST 1980



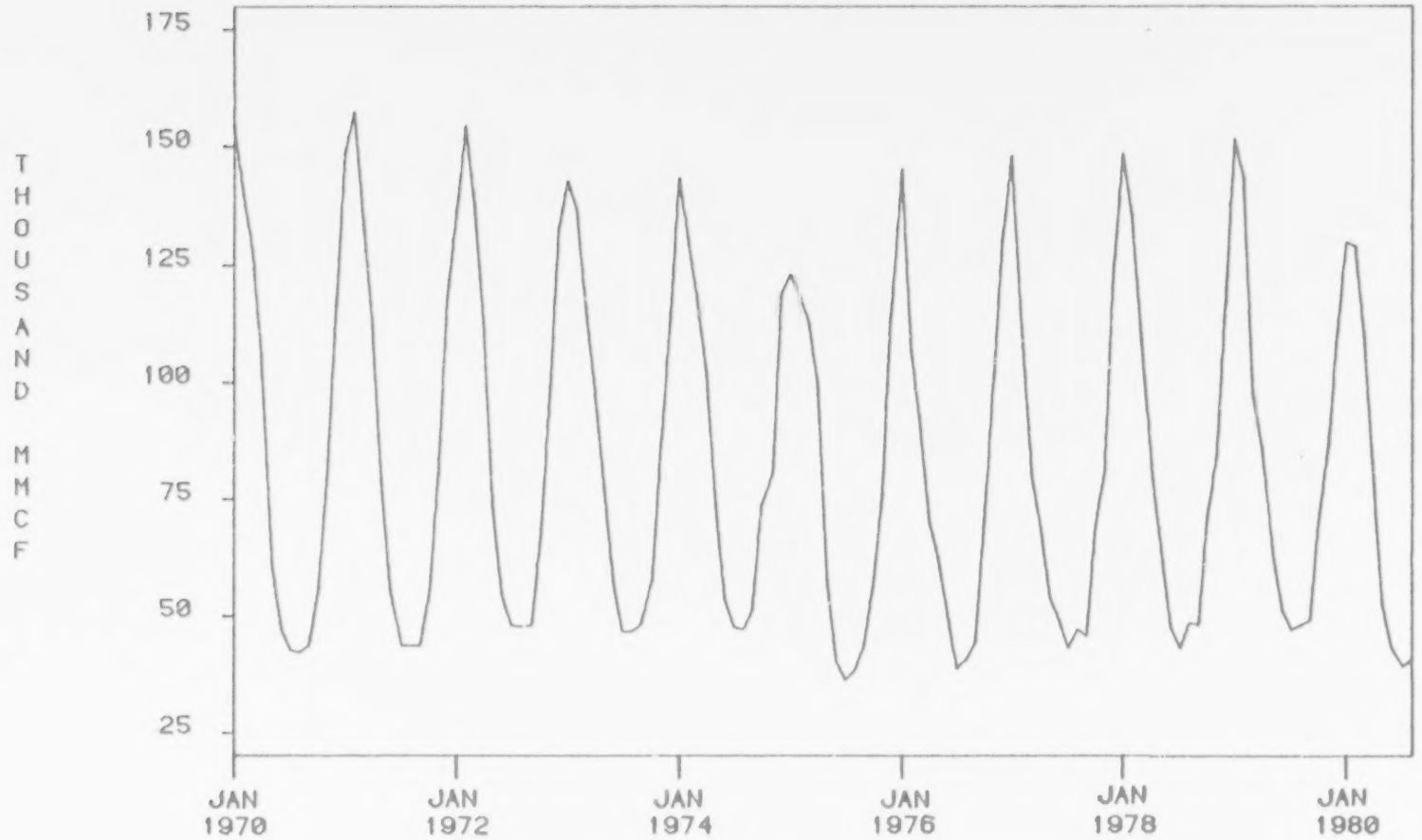
SOURCE: MONTHLY REPORTS OF EIGHT MAJOR GAS UTILITIES
AND THE OHIO DEPARTMENT OF ENERGY

FIGURE 13. MONTHLY OHIO INDUSTRIAL NATURAL GAS CONSUMPTION
JANUARY 1970 - AUGUST 1980



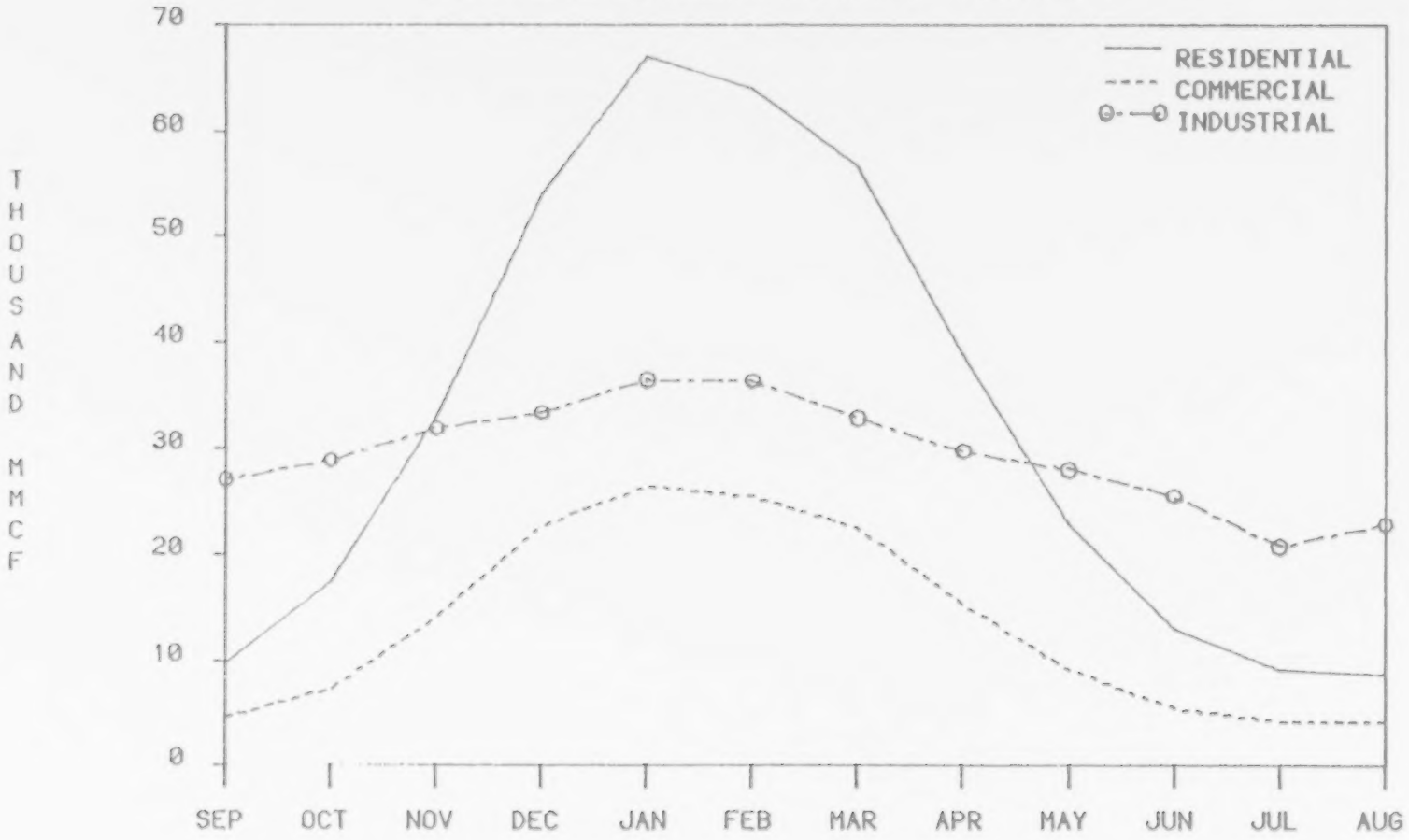
SOURCE: MONTHLY REPORTS OF EIGHT MAJOR GAS UTILITIES
AND THE OHIO DEPARTMENT OF ENERGY

FIGURE 14. MONTHLY OHIO TOTAL NATURAL GAS CONSUMPTION
JANUARY 1970 - AUGUST 1980



SOURCE: MONTHLY REPORTS OF EIGHT MAJOR GAS UTILITIES AND THE OHIO DEPARTMENT OF ENERGY

FIGURE 15. PROJECTED GAS REQUIREMENTS FOR OHIO BY SECTOR
EIGHT MAJOR COMPANIES (SEP.1980 - AUG.1981)



SOURCE: MONTHLY PROJECTIONS OF EIGHT MAJOR GAS COMPANIES AND THE OHIO DEPARTMENT OF ENERGY

Table 10. Comparison Between One Year of Actual and Forecast Supply for Eight Major Ohio Gas Utilities by Source (MMCF)

MO/YR	COLUMBIA GAS	CONSOLIDATED GAS	LAWRENCEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
9/80	24459	17566	119	60	5769	149	675	10	0	4928	1732	153	3	57592
9/79	20257	14554	209	33	5592	110	595	9	0	6529	1321	149	-207	49151
	20.7%	20.7%	-43.1%	81.8%	3.2%	35.5%	13.4%	11.1%	0.0%	-24.5%	31.1%	2.7%	101.4%	17.2%
10/80	34047	24239	111	100	6075	151	711	0	0	4951	2439	153	-53	72924
10/79	32683	23709	161	100	6125	129	642	17	0	5864	1915	215	-322	71238
	4.2%	2.2%	-31.1%	0.0%	-0.8%	17.1%	10.7%	-100.0%	0.0%	-15.6%	27.4%	-28.8%	83.5%	2.4%
11/80	49254	17450	30	140	5346	150	579	0	0	5082	3641	12258	-40	93890
11/79	45104	16448	194	136	6075	153	534	28	0	6402	3145	8086	-111	86194
	9.2%	6.1%	-84.5%	2.9%	-12.0%	-2.0%	8.4%	-100.0%	0.0%	-20.6%	15.8%	51.6%	64.0%	8.9%
12/80	65954	24449	32	175	6252	154	520	42	0	4805	4781	17196	-40	124320
12/79	57177	15895	90	159	6429	142	621	37	0	6511	4131	18636	79	109907
	15.4%	53.8%	-64.4%	10.1%	-2.8%	8.5%	-16.3%	13.5%	0.0%	-26.2%	15.7%	-7.7%	-150.6%	13.1%
1/81	76160	31977	29	180	6185	156	580	44	0	4759	5091	15020	-20	140161
1/80	67963	27772	104	190	6612	157	686	43	0	6330	4396	15241	128	129622
	12.1%	15.1%	-72.1%	-5.3%	-6.5%	-0.6%	-15.5%	2.3%	0.0%	-24.8%	15.8%	-1.5%	-115.6%	8.1%
2/81	65035	31300	31	155	5714	130	640	37	0	4800	4026	10607	834	123309
2/80	71368	30792	92	191	6354	130	647	45	0	4737	3480	10791	-109	128518
	-8.9%	1.6%	-66.3%	-18.8%	-10.1%	0.0%	-1.1%	-17.8%	0.0%	1.3%	15.7%	-1.7%	865.1%	-4.1%
3/81	56212	23548	29	160	7525	156	632	30	0	5254	3750	9037	706	107039
3/80	59607	24208	151	158	6556	133	640	35	0	5604	3240	9356	72	109760
	-5.7%	-2.7%	-80.8%	1.3%	14.8%	17.3%	-1.3%	-14.3%	0.0%	-6.2%	15.7%	-3.4%	880.6%	-2.5%
4/81	40706	26658	195	100	6654	150	600	22	0	5167	2700	485	461	83898
4/80	37721	26040	226	95	5926	148	546	19	0	5861	2700	431	-61	79652
	7.9%	2.4%	-13.7%	5.3%	12.3%	1.4%	9.9%	15.8%	0.0%	-11.8%	0.0%	12.5%	855.7%	5.3%
5/81	29556	21589	201	10	6557	150	620	12	0	5171	2321	250	-25	66412
5/80	21705	16068	238	7	5818	139	566	9	0	5798	2040	286	-72	52602
	36.2%	34.4%	-15.5%	42.9%	12.7%	7.9%	9.5%	33.3%	0.0%	-10.8%	13.8%	-12.6%	65.3%	26.3%
6/81	22428	14910	195	7	6206	150	600	7	0	5351	1636	165	15	51670
6/80	16975	12588	259	5	5567	149	546	6	0	5514	1635	142	-117	43269
	32.1%	18.4%	-24.7%	40.0%	11.5%	0.7%	9.9%	16.7%	0.0%	-3.0%	0.1%	16.2%	112.8%	19.4%
7/81	17768	12317	263	7	6268	125	620	9	0	5138	1633	170	-5	44313
7/80	15453	9302	258	5	5881	153	606	6	0	6059	1486	153	-40	39322
	15.0%	32.4%	1.9%	40.0%	6.6%	-18.3%	2.3%	50.0%	0.0%	-15.2%	9.9%	11.1%	87.5%	12.7%
8/81	19950	12679	224	7	6318	125	620	9	0	5131	1661	165	-20	46869
8/80	16966	9763	256	6	5872	153	469	7	0	5495	1490	153	15	40645
	17.6%	29.9%	-12.5%	16.7%	7.6%	-18.3%	32.2%	28.6%	0.0%	-6.6%	11.5%	7.8%	-233.3%	15.3%
SUMMER TOTAL														
	188914	129958	1308	291	43847	1000	4446	69	0	35837	14122	1541	376	423678
	161760	112024	1607	251	40781	981	3970	73	0	41120	12587	1529	-804	375879
	16.8%	16.0%	-18.6%	15.9%	7.5%	1.9%	12.0%	-5.5%	0.0%	-12.8%	12.2%	0.8%	146.8%	12.7%
WINTER TOTAL														
	312615	128724	151	810	31022	746	2951	153	0	24700	21289	64118	1440	588719
	301219	115115	631	834	32026	715	3128	188	0	29584	18392	62110	59	564001
	3.8%	11.8%	-76.1%	-2.9%	-3.1%	4.3%	-5.7%	-18.6%	0.0%	-16.5%	15.8%	3.2%	2340.7%	4.4%
YEAR TOTAL														
	501529	258682	1459	1101	74869	1746	7397	222	0	60537	35411	65659	1816	1012397
	462979	227139	2238	1085	72807	1696	7098	261	0	70704	30979	63639	-745	939880
	8.3%	13.9%	-34.8%	1.5%	2.8%	2.9%	4.2%	-14.9%	0.0%	-14.4%	14.3%	3.2%	343.8%	7.7%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

reductions in interstate natural gas supplies have led to curtailments of industrial base allocations; which, in turn, have led to the implementation of effective natural gas conservation measures and conversions to alternative fuels, on the part of the curtailed industrial customers.

The passage of the Natural Gas Policy Act of 1978, which decontrolled some natural gas prices immediately, and which foresees the decontrol of all natural gas prices by the end of 1985, has already increased the availability of interstate natural gas supplies for Ohio. Along with the recent dramatic increases in the prices of major alternatives to natural gas (i.e., distillate fuel oils), the increased availability of interstate natural gas is expected to reverse the trend of declining natural gas consumption in Ohio in the coming years.

The declining availability of interstate natural gas supplies and the energy conservation programs in the 1972-1978 period have influenced the residential consumption of natural gas. The weather sensitivity of residential consumption has been declining continuously in the service areas of the four larger utilities from 1973 through 1978. As mentioned above, the increase in the price of fuel oil, along with greater availability of natural gas, seems to have stabilized the behavior of the weather sensitivity of residential natural gas consumption in 1979. This stability is demonstrated in Table 11, where the weather sensitivity of the residential requirements, in terms of increased MMCF's of natural gas consumed per unit increase in heating degree-days per annum, is listed by the service areas of the four largest distribution companies, for each year from 1970 through 1979. In addition to indicating the differences in the weather sensitivity of residential consumption across different utility service areas, the declining values of the weather sensitivity

Table 11. Weather Sensitivity of Residential Natural Gas Consumption in Ohio (1970-1980)

MMCF/Per Heating Degree-Day

Year	Cincinnati Gas and Electric	Columbia Gas	Dayton Power and Light	East Ohio Gas
1970	6.43	21.64	5.69	22.95
1971	6.96	24.04	6.04	23.57
1972	6.95	23.81	5.77	24.22
1973	6.78	23.68	5.72	23.04
1974	6.78	23.35	5.58	24.21
1975	6.83	22.73	5.61	24.34
1976	6.34	21.22	5.04	22.52
1977	5.15	18.95	4.79	20.44
1978	5.11	18.00	4.54	19.74
1979	5.10	18.48	4.53	20.68
1980*	5.00	17.86	4.27	19.07

*Based upon the first eight months of 1980.

Source: O.S.U. Gas Model, monthly reports of four Ohio gas utilities and the Ohio Department of Energy.

coefficients for every utility service area clearly testify to extensive gas conservation among significant numbers of residential customers over the six or seven years preceding 1979. Table 11, when considered with the fact that residential energy consumption in Ohio has not increased significantly since 1976, can be interpreted to reflect, in part, the effectiveness of the conservation promotion programs implemented by ODOE and others.

Since natural gas is the primary source of heating fuel for the residential and commercial sectors, over 60 percent of the natural gas consumed in Ohio is used during the winter heating season. Table 12 shows the actual and projected aggregate monthly demand by sector for the eight major distribution companies. Figure 15 shows projected monthly consumption by sector for Ohio.

Alternate Fuel Capability Profile

There have been no natural gas curtailments in the September 1979 - August 1980 annual period, and neither the reporting Ohio gas utilities nor the gas pipeline companies project any curtailments for the September 1980 - August 1981 annual period. Hence, there is no alternate fuel capability profile to be presented at this time.

The current supply projections of Columbia Gas Transmission Corporation, as per its FERC Form 16 of September 30, 1980, presume the resumption of LNG imports from Algeria by December 1980. Such imports have not yet started at the time this report is being prepared. However, given the general decline in natural gas requirements by all end user classes in recent years, and the increased flexibility in the supplies of interstate natural gas during the last several years, it is considered that sufficient supplies of interstate gas will be readily available to make up for a sustained cutoff of Algerian LNG throughout the 1980-81 heating season.

Table 12. Comparison Between One Year of Actual and Forecast Demand for Eight Major Ohio Gas Utilities by Sector (MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
9/80	87	9804	4611	27116	4470	9189	55190	-2402
9/79	87	8884	4128	23824	3272	9042	49150	-1
	0.0%	10.4%	11.7%	13.8%	36.6%	1.6%	12.3%	********%
10/80	334	17304	7323	28891	11882	7284	72684	-240
10/79	334	18049	7541	25671	12672	7305	71238	0
	0.0%	-4.1%	-2.9%	12.5%	-6.2%	-0.3%	2.0%	999.9%
11/80	690	32993	14086	31895	14426	0	93400	-490
11/79	686	32944	14140	28897	10175	38	86194	0
	0.6%	0.1%	-0.4%	10.4%	41.8%	-100.0%	8.4%	999.9%
12/80	1052	54039	22701	33443	13121	0	123304	-1016
12/79	1028	47863	20015	29823	11718	489	109908	1
	2.3%	12.9%	13.4%	12.1%	12.0%	-100.0%	12.2%	********%
1/81	1141	67019	26483	36561	7708	1326	139097	-1064
1/80	1124	59986	25106	32483	11613	434	129622	0
	1.5%	11.7%	5.5%	12.6%	-33.6%	205.5%	7.3%	999.9%
2/81	980	64113	25469	36467	-4870	1326	122505	-804
2/80	977	67433	27962	33771	-648	0	128518	0
	0.3%	-4.9%	-8.9%	8.0%	-651.5%	999.9%	-4.7%	999.9%
3/81	823	56803	22506	32924	-6437	0	105796	-1243
3/80	814	58253	24386	32514	-5402	9	109760	0
	1.1%	-2.5%	-7.7%	1.3%	-19.2%	-100.0%	-3.6%	999.9%
4/81	735	38885	15310	27756	-9131	8122	82942	-956
4/80	455	38860	16061	26741	-11181	9171	79652	0
	61.5%	0.1%	-4.7%	11.3%	18.3%	-11.4%	4.1%	999.9%
5/81	202	22830	9131	27993	-4727	10337	65564	-848
5/80	196	21128	8536	21225	-8869	10582	52602	0
	3.1%	8.1%	7.0%	31.9%	46.7%	-2.3%	24.6%	999.9%
6/81	30	12883	5424	25485	-2627	9902	51067	-603
6/80	29	11608	4711	18673	-1257	9534	43269	0
	3.4%	11.0%	15.1%	36.5%	-109.0%	3.9%	18.0%	999.9%
7/81	5	9024	4219	20712	169	9677	43801	-512
7/80	5	9145	4036	17120	145	8876	39322	0
	0.0%	-1.3%	4.5%	21.0%	16.6%	9.0%	11.4%	999.9%
8/81	11	8745	4098	22824	1730	8792	46389	-480
8/80	11	8181	3892	18712	1099	8151	40645	0
	0.0%	6.9%	5.3%	22.0%	57.4%	2.[illegible]%	14.1%	999.9%
SUMMER TOTAL								
	1404	119475	50116	182777	1766	63503	417637	-6041
	1117	115855	48905	151966	-4119	63271	375878	-1
	25.7%	3.1%	2.5%	20.3%	142.9%	0.4%	11.1%	********%
WINTER TOTAL								
	4686	274967	111245	171290	23948	2652	584102	-4617
	4629	266479	111609	157488	27456	970	564002	1
	1.2%	3.2%	-0.3%	8.8%	-12.8%	173.4%	3.6%	********%
YEAR TOTAL								
	6090	394442	161361	354067	25714	66155	1001739	-10658
	5746	382334	160514	309454	23337	64241	939880	0
	6.0%	3.2%	0.5%	14.4%	10.2%	3.0%	6.6%	999.9%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Twelve-Month Outlook

With or without the LNG imports resumed at projected levels, the outlook for the next twelve months would indicate no serious shortages under normal weather conditions or under 10 percent colder than normal weather conditions.

In Table 19, we have constructed a scenario which assumes no resumption of Algerian LNG, and a consequent across the board cutoff of 2.2 percent from Columbia Gas Transmission Corporation. This supply situation is compared with 10 percent colder than normal winter requirements as projected by the ODOE.

It is estimated that a continued cutoff of LNG imports would reduce utilities projected 10 percent colder than normal weather supplies by approximately 8,739 MMCF, or by 1.47 percent, during the 1980-81 heating season. This is expected to translate into 5,007 MMCF, or 0.84 percent, deficiency for the state as a whole during the same period of time. In view of the prevailing abundance of interstate gas supplies, however, any shortage from traditional sources can be made up by other sources.

Utility Forecasts

Utility forecasts for the next twelve months project no deficiencies for Ohio under normal weather conditions. Aggregate supply and demand projections of the eight major utilities, as presented in Table 13 and Figure 16, indicate a 1.06 percent annual surplus of natural gas supplies over demand. All eight utilities project supply to be in excess of demand during the 1980-81 heating season as well as the 1981 cooling season. Supply and demand projections of the individual utilities, as submitted in their "Monthly Reports of Supply and Demand of Natural Gas," are summarized in Appendix B, Table B-17.

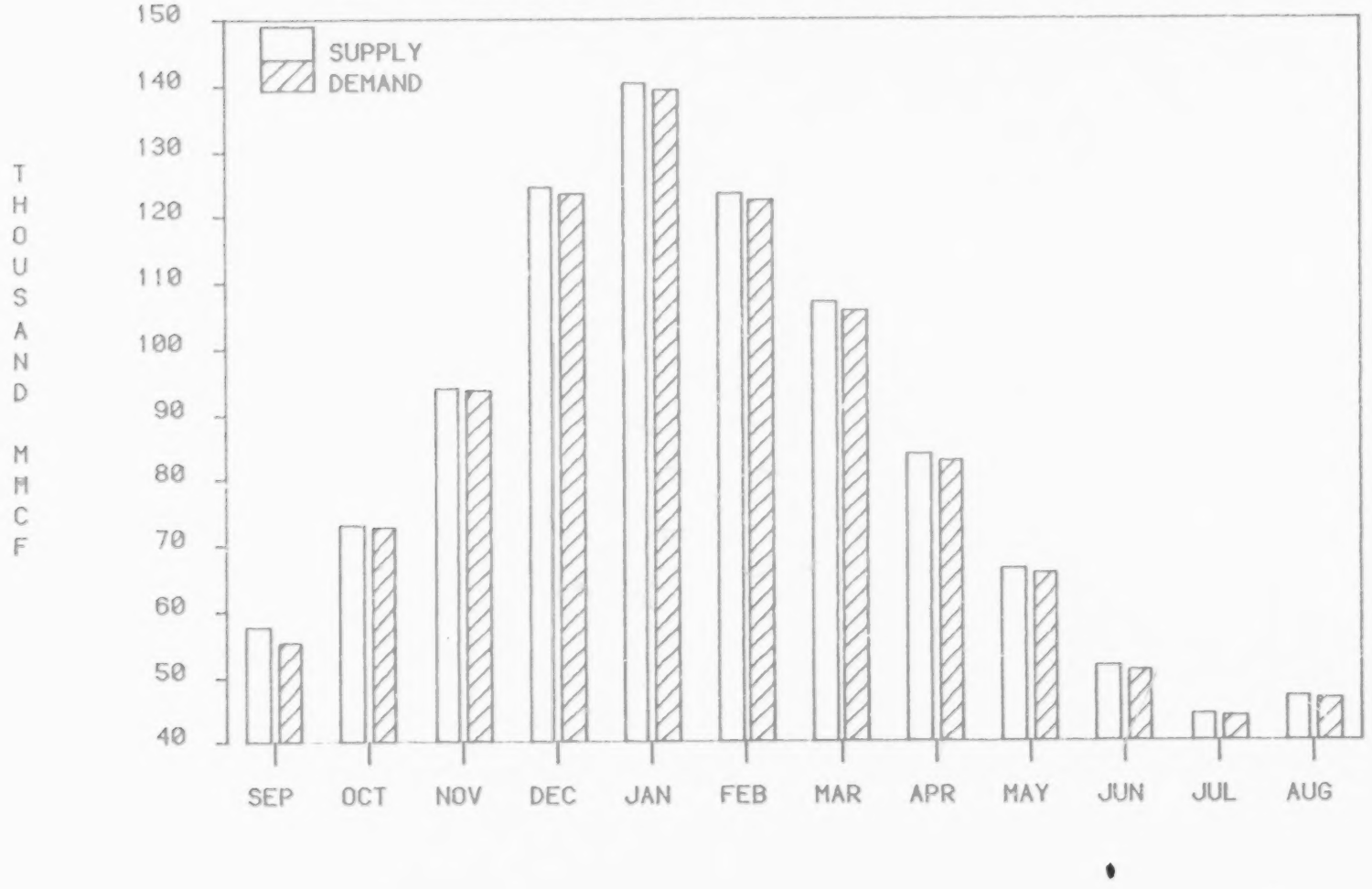
Table 13. Projected Aggregate Supply and Demand for Natural Gas for Eight Major Gas Utilities
September 1980 - August 1981
(MMCF)

Month/Year	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	5/81	6/81	7/81	8/81	Summer Totals	Winter Totals	Annual Totals
Supply	57,592	72,924	93,890	124,320	140,161	123,309	107,039	83,898	66,412	51,670	44,313	46,869	423,678	588,719	1,012,397
Demand	55,190	72,684	93,400	123,304	139,097	122,505	105,796	82,942	65,564	51,067	43,801	46,389	417,637	584,102	1,001,739
Deficiency	-2,402	-240	-490	-1,016	-1,064	-804	-1,243	-956	-848	-603	-512	-480	-6,041	-4,617	-10,658
Percent Deficiency	-4.2	-0.3	-0.5	-0.8	-0.8	-0.7	-1.2	-1.1	-1.3	-1.2	-1.2	-1.0	-1.4	-0.8	-1.1

Note: A positive deficiency indicates a shortage; a negative deficiency indicates a surplus.

Source: ODOE Form SG-1 of eight major gas utilities and the Ohio Department of Energy.

FIG. 16. PROJECTED SUPPLY AND DEMAND OF NATURAL GAS FOR OHIO EIGHT MAJOR COMPANIES (SEPTEMBER 1980 - AUGUST 1981)



SOURCE: MONTHLY PROJECTIONS OF EIGHT MAJOR GAS UTILITIES AND THE OHIO DEPARTMENT OF ENERGY

Independent Forecast

The law which created the Ohio Department of Energy requires the development of independent ODOE forecasting capability within the department and the preparation of independent forecasts. Independent natural gas demand forecasts based on two alternate methodologies have been developed by ODOE for the eight major gas utilities serving Ohio. The first methodology employs regression analysis to forecast demand for each major utility as a function of the normal and 10 percent colder than normal temperature scenarios on the basis of the most recent ODOE Form SG-2's submitted by the respective utilities. The second methodology employed by the ODOE to forecast natural gas demand in each major utility service area is based upon Box-Jenkins type time series models of monthly natural gas requirements of the respective utilities between January 1970 and August 1980. Such models when properly identified yield projections that possess desirable statistical properties and are deemed to be as accurate as, or more accurate than, alternative short-term forecasting techniques. They also have the added flexibility of yielding updated forecasts every time the most recent actual monthly requirements are reported to ODOE. The use of alternative methodologies is expected to provide a double check and reduce forecasting error, and thus, lead to a more accurate and decisive diagnosis of impending shortages.

The results obtained on the basis of both methodologies are presented in Tables 14 through 18. It can be concluded from these tables that no shortages or curtailments of natural gas are expected during the 1980-81 heating season. However, to the extent that the supply forecasts of utilities used in Tables 14 through 18 do not reflect the influence of Algerian LNG

Table 14. Independent Forecasts of Natural Gas Supply and Demand for the Eight Major Ohio Gas Utilities November 1980 - March 1981 (MMCF)

	Normal Weather			10% Colder Than Normal			10% Colder Than Normal Weather Supply vs. Time Series Projections of Demand		
	Supply	Demand	Deficiency	Supply	Demand	Deficiency	Supply	Demand	Deficiency
Cincinnati Gas & Electric	56,814	55,165	-1,649	60,273	59,131	-1,142	60,273	59,601	-672
Columbia Gas	210,786	208,454	-2,332	222,957	222,834	-123	222,957	214,730	-8,227
Dayton Power & Light	39,160	40,758	1,598	41,741	43,888	2,147	41,741	43,134	1,393
East Ohio Gas	210,337*	228,625	18,288*	221,949*	240,661	18,712*	221,949*	230,589	8,640*
National Gas	7,197	6,999	-198	7,055	7,000	-55	7,055	7,000	-55
Ohio Gas	9,047	4,189	-4,858	9,047	4,498	-4,549	9,047	4,498	-4,549
River Gas	2,912	2,912	0	3,083	3,083	0	3,083	3,083	0
West Ohio Gas	9,569	9,569	0	10,209	10,209	0	10,209	10,209	0
Total	545,822*	556,671	10,849*	576,314*	591,304	14,990*	576,314*	572,844	-3,470
Expected Adjustments to East Ohio Gas's Supplies	18,288	0	-18,288	18,712	0	-18,712	8,640	0	-8,640
Adjusted Total	564,110	556,671	-7,439	595,026	591,304	-3,722	584,954	572,844	-12,110

Notes: A positive deficiency indicates a shortage; a negative deficiency indicates a surplus.
*Does not include expected supplies to East Ohio Gas from Consolidated Gas Supply Corporation's storage facilities in Pennsylvania. See notes to Table 18.

Source: November 1, 1980, ODOE Form 5G-2 of reporting utilities, and the Ohio Department of Energy.

Table 15. Independent Forecasts of Gas Supply
and Demand for Cincinnati Gas and Electric Company
November 1980 - March 1981
(MMCF)

	Normal Weather				10% Colder Than Normal Weather				10% Colder Than Normal Weather Supply vs. Time Series Projections of Demand		
	Supply	HDD	Demand	Deficiency	Supply	HDD	Demand	Deficiency	Supply	Demand	Deficiency
November 1980	9,145	636	9,013	-132	9,663	700	9,608	-55	9,663	8,659	-1,004
December 1980	12,871	970	12,116	-755	13,657	1,067	13,017	-640	13,657	12,173	-1,484
January 1981	13,114	1,051	12,869	-245	13,965	1,156	13,844	-121	13,965	14,820	855
February 1981	11,404	888	11,355	-49	12,125	977	12,181	56	12,125	13,512	1,387
March 1981	10,280	722	9,812	-468	10,863	794	10,481	-382	10,863	10,437	-426
Total	56,814		55,165	-1,649	60,273		59,131	-1,142	60,273	59,601	-672

Notes: Totals may not add due to independent rounding.
HDD - Heating Degree-Days.
A positive deficiency indicates a shortage; a negative deficiency indicates a surplus.

Source: Cincinnati Gas & Electric's November 1, 1980, ODOE Form SG-2, and the Ohio Department of Energy.

Table 16. Independent Forecasts of Gas Supply
and Demand for Columbia Gas of Ohio
November 1980 - March 1981
(MMCF)

	Normal Weather				10% Colder Than Normal Weather				10% Colder Than Normal Weather Supply vs. Time Series Projections of Demand		
	Supply	HDD	Demand	Deficiency	Supply	HDD	Demand	Deficiency	Supply	Demand	Deficiency
November 1980	32,583	570	30,317	-2,266	33,931	627	32,056	-1,875	33,931	31,902	-2,029
December 1980	44,813	951	41,941	-2,872	47,191	1,046	44,849	-2,342	47,191	43,478	-3,713
January 1981	52,354	1,173	48,714	-3,640	55,389	1,290	52,284	-3,105	55,389	52,528	-2,861
February 1981	42,952	1,102	46,548	3,596	45,880	1,212	49,904	4,024	45,880	47,822	1,942
March 1981	38,084	918	40,934	2,850	40,566	1,010	43,741	3,175	40,566	39,000	-1,566
Total	210,786		208,454	-2,332	222,957		222,834	-123	222,957	214,730	-8,227

Notes: Totals may not add due to independent rounding.
HDD - Heating Degree-Days
A positive deficiency indicates a shortage; a negative deficiency indicates a surplus.

Source: Columbia Gas of Ohio's November 1, 1980, ODOE Form SG-2, and the Ohio Department of Energy.

Table 17. Independent Forecasts of Gas Supply and Demand for Dayton Power and Light November 1980 - March 1981 (MMCF)

	Normal Weather				10% Colder Than Normal Weather				10% Colder Than Normal Weather Supply vs. Time Series Projections of Demand		
	Supply	HDD	Demand	Deficiency	Supply	HDD	Demand	Deficiency	Supply	Demand	Deficiency
November 1980	5,661	482	5,291	-370	5,964	530	5,628	-336	5,694	5,656	-38
December 1980	8,103	865	7,983	-120	8,614	952	8,595	-19	8,614	8,157	-457
January 1981	8,926	1,111	9,711	785	9,552	1,222	10,493	941	9,552	10,219	667
February 1981	9,381	1,135	9,881	500	10,029	1,249	10,683	654	10,029	11,100	1,071
March 1981	7,089	852	7,892	803	7,582	937	8,489	907	7,582	8,002	420
Total	39,160		40,758	1,598	41,741		43,888	2,147	41,741	43,134	1,393

Notes: Totals may not add due to independent rounding.
HDD - Heating Degree-Days
A positive deficiency indicates a shortage; a negative deficiency indicates a surplus.

Source: Dayton Power and Light's November 1, 1980, ODOE Form SG-2, and the Ohio Department of Energy.

Table 18. Independent Forecasts of Gas Supply and Demand for East Ohio Gas November 1980 - March 1981 (MMCF)

	Normal Weather				10% Colder Than Normal Weather				10% Colder Than Normal Weather Supply vs. Time Series Projections of Demand		
	Supply*	HDD	Demand	Deficiency*	Supply*	HDD	Demand	Deficiency*	Supply*	Demand	Deficiency*
November 1980	34,029	534	34,973	944	35,706	587	36,296	590	35,706	36,586	880
December 1980	44,704	983	46,185	1,481	47,297	1,081	48,632	1,335	47,297	46,446	-851
January 1981	48,797	1,197	51,528	2,731	51,639	1,317	54,524	2,885	51,639	55,437	3,798
February 1981	43,999	1,155	50,479	6,480	46,418	1,271	53,376	6,958	46,418	51,256	4,838
March 1981	38,808	954	45,460	6,652	40,889	1,049	47,833	6,944	40,889	40,824	-65
Total	210,337		228,625	18,288	221,949		240,661	18,712	221,949	230,549	8,600

Notes: Totals may not add due to independent rounding.
HDD - Heating Degree-Days
A positive deficiency indicates a shortage; a negative deficiency indicates a surplus.
*East Ohio Gas Company's supply projections do not include its share of entitlement to supplies from Consolidated Gas Supply Corporation's storage facilities in Pennsylvania. Historically, East Ohio Gas has not curtailed its customers. The deficiency figures for East Ohio Gas should be interpreted as the projected magnitude of expected supplies from the above mentioned storage facilities.

Source: East Ohio Gas Company's November 1, 1980, ODOE Form SG-2, and the Ohio Department of Energy.

cutoff on Columbia Gas Transmission Corporation's ability to meet its contract obligations for the 1980-81 heating season, Table 19 (which adjusts for continued cutoff of Algerian LNG imports) represents a more conservative interpretation of the projected supply and demand situation for natural gas in Ohio during the 1980-81 heating season.

Table 19. Independent Forecasts of 10% Colder Than Normal Weather Natural Gas Supply and Demand for the Eight Major Ohio Gas Utilities Assuming Cutoff of Algerian LNG
November 1980 - March 1981
(MMCF)

	Total Supply	Estimated Share of LNG in Total Supply	Supply Assuming Cutoff of LNG	Demand	Deficiency
Cincinnati Gas & Electric	60,273	1,120	59,153	59,131	-22
Columbia Gas of Ohio	222,957	4,579	218,378	222,834	4,456
Dayton Power & Light	41,741	2,215	39,526	43,888	4,362
East Ohio Gas	221,949*	0	221,949*	240,661	18,712*
National Gas & Oil	7,055	1	7,054	7,000	-54
Ohio Gas	9,047	0	9,047	4,498	-4,549
River Gas	3,083	0	3,083	3,083	0
West Ohio Gas	10,209	824	9,385	10,209	824
Total	576,314*	8,739	567,575*	591,304	23,729*
Expected Adjustments to East Ohio Gas's Supplies	18,712	0	18,712		-18,712
Adjusted Total	595,026	8,739	586,287	591,304	5,017

Notes: A positive deficiency indicates a shortage; a negative deficiency indicates a surplus.
*Does not include expected supplies to East Ohio Gas from Consolidated Gas Supply Corporation's storage facilities in Pennsylvania. See notes to Table 18.

Source: ODOE Form SG-2 of eight major Ohio gas utilities; FERC-16 Forms of Consolidated Gas Supply Corp. and Columbia Gas Transmission Corp.; and the Ohio Department of Energy.

APPENDIX A

FORECAST OF ELECTRICITY DEMAND BY UTILITY

Table A-1. Allegheny Power System:
Forecast of Electric Energy Demand
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast % Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
November	2590	2528	-2.4	2540	-1.9
December	2810	2828	0.6	2775	-1.2
January	3010	3036	0.9	2967	-1.4
February	2893	2819	-2.6	2726	-5.7
March	2878	2851	-0.9	2706	-5.9
April	2512	2584	2.9	2454	-2.3
May	2404	2589	7.7	2427	0.9
June	2316	2514	8.5	2378	2.7
July	2483	2623	5.6	2445	-1.5
August	2614	2725	4.2	2562	-2.0
September	2453	2607	6.3	2494	1.7
October	2605	2717	4.3	2560	-1.7

*Source of demand figures is FPC Form 12E-2 and Form ERA-119M.

Table A-2. American Electric Power:*
Forecast of Electric Energy Demand
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast % Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
November	6201	6317	1.9	6465	4.3
December	6701	7136	6.5	7032	4.9
January	7159	7930	10.8	7644	6.8
February	6934	7122	2.7	6986	0.7
March	6860	7060	2.9	6843	-0.3
April	5914	6303	6.6	6057	2.4
May	5667	6228	9.9	5908	4.3
June	5543	6079	9.7	5841	5.4
July	6091	6329	3.9	6044	-0.8
August	6229	6647	9.9	6379	2.4
September	5745	6269	9.1	5850	1.8
October	6056	6431	6.2	6137	1.3

*Does not include Columbus and Southern Ohio Electric Company.
**Source of demand figures is FPC Form 12E-2, and Form ERA-119M.

Table A-3. Cincinnati Gas and Electric:
Forecast of Electric Energy Demand
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast % Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
November	1184	1179	0.8	1215	2.6
December	1287	1347	4.7	1334	3.7
January	1371	1487	8.5	1439	5.0
February	1337	1294	-3.2	1331	-0.4
March	1310	1247	-4.8	1297	-1.0
April	1126	1137	1.0	1156	2.7
May	1128	1206	6.9	1193	5.8
June	1214	1284	5.8	1320	7.9
July	1526	1455	-4.7	1427	-6.5
August	1547	1469	-5.0	1446	-6.5
September	1263	1225	-3.0	1273	0.8
October		1185		1231	

*Source of demand figures is FPC Form 12E-2. October actual figure unavailable.

Table A-4. Cleveland Electric Illuminating:
Forecast of Electric Energy Demand
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast % Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
November	1530	1578	3.1	1500	-2.0
December	1611	1654	2.7	1586	-1.6
January	1717	1709	-0.5	1661	-3.3
February	1629	1507	-7.5	1531	-6.0
March	1656	1623	-2.0	1592	-3.9
April	1474	1519	3.1	1470	-0.3
May	1445	1584	9.6	1514	4.8
June	1445	1642	13.6	1539	6.5
July	1563	1708	9.3	1601	2.4
August	1633	1716	5.1	1634	0
September	1486	1584	6.6	1508	1.5
October	1527	1636	7.1	1533	0.4

*Source of demand figures is FPC Form 12, Schedule 14, Column 9.

Table A-5. Columbus and Southern Ohio Electric:
Forecast of Electric Energy Demand
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast % Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
November	752	843	12.1	774	2.9
December	816	945	15.8	853	4.5
January	881	1055	19.8	924	4.9
February	847	863	1.9	846	-0.1
March	853	831	-2.6	831	-0.3
April	717	757	5.6	730	1.8
May	699	831	18.9	842	6.2
June	726	885	21.9	802	10.5
July	902	959	6.3	870	-3.5
August	920	927	0.8	879	-4.5
September	772	842	9.1	786	1.8
October	748	831	11.1	779	4.1

*Source of demand figure is FPC Form 12E-2.

Table A-6. Dayton Power and Light:
Forecast of Electric Energy Demand
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast % Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
November	878	889	1.3	867	-1.3
December	938	995	6.1	948	1.1
January	1024	1044	2.0	1048	2.3
February	990	966	-2.4	976	-1.4
March	948	932	-1.7	927	-2.2
April	819	831	1.5	807	-1.5
May	758	823	-8.6	777	2.5
June	791	862	9.0	825	4.3
July	959	965	0.6	898	-6.4
August	972	941	-3.2	945	-2.8
September	846	838	-0.9	840	-0.7
October		883		860	

*Source of demand figures is FPC Form 12E-2. October actual figure unavailable.

Table A-7. Ohio Edison System:
Forecast of Electric Energy Demand
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast % Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
November	1972	1923	-2.5	1904	-3.4
December	2070	2033	-1.8	2007	-3.0
January	2247	2241	-0.3	2131	-5.2
February	2142	1983	-7.4	1946	-9.2
March	2141	2128	-0.6	1985	-7.3
April	1883	2016	7.1	1791	-4.9
May	1806	1902	5.3	1780	-1.4
June	1793	2038	13.7	1810	0.9
July	1998	2114	5.8	1968	-1.5
August	2088	2146	2.8	2090	0.1
September	1899	1968	3.6	1916	0.9
October	1998	2042	2.2	2110	5.6

*Source of demand figures is FPC Form 12E-2.

Table A-8. Ohio Valley Electric Corporation:
Forecast of Electric Energy Demand
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
November	554	1346	143.0
December	594	1370	130.6
January	594	1357	128.5
February	547	1219	122.9
March	587	1378	134.8
April	575	1341	133.2
May	592	1360	129.7
June	483	1277	164.4
July	500	1419	183.8
August	500	1363	172.6
September	483	1307	170.6
October	596	1407	136.1

*Source of demand figures is FPC Form 12E-2 and Form ERA-119M.

Table A-9. Toledo Edison Company:
Forecast of Electric Energy Demand
(1000 MWH)

	Actual Demand* (1979-1980)	Utility Forecast (1980-1981)	Forecast % Change (Utility Forecast vs. Actual)	ODOE Forecast (1980-1981)	Forecast % Change (ODOE Forecast vs. Actual)
November	664	684	3.0	653	-1.7
December	676	741	9.6	677	0.1
January	743	741	-0.3	741	-0.3
February	700	705	0.7	677	-3.3
March	709	702	-1.0	679	-4.2
April	607	663	9.2	593	-2.3
May	580	658	13.4	593	2.2
June	583	675	15.8	624	7.0
July	643	697	8.4	664	3.3
August	680	721	6.0	691	1.6
September	604	688	13.9	632	4.6
October		690		676	

*Source of demand figures is FPC Form 12E-2. October actual figure unavailable.

Table A-10. Forecast of Ohio Electricity Demand - Residential Sector
(1000 MWH)

Month	Lower 95% Confidence Limit	Forecast (1980-1981)	Upper 95% Confidence Limit	Actual (1979-1980)	Forecast Percentage Change
November	1,894.9	2,247.5	2,600.0	2,175.4	3.3
December	2,288.6	2,652.9	3,017.2	2,541.1	4.4
January	2,736.6	3,112.2	3,487.9	2,946.4	5.6
February	2,774.3	3,161.0	3,547.8	2,978.8	6.1
March	2.509.6	2,907.0	3,304.4	2,827.9	2.8
April	2,043.7	2,451.6	2,859.5	2,374.0	3.3
May	1,612.6	2,030.6	2,448.7	1,955.3	3.9
June	1,597.1	2,066.9	2,536.7	1,942.2	6.4
July	1,742.0	2,273.4	2,805.4	2,387.1	- 4.8
August	2,078.8	2,620.2	3,163.2	2,711.1	- 3.4
September	1,857.3	2,408.7	2,960.3	2,560.5	- 5.9
October	1,568.5	2,130.3	2,690.6	2,012.9	5.8

Notes:

1. The forecast is based on the monthly comparative summary statistics of the Ohio Electric Utilities Institute for eight major investor-owned electric utilities (excluding OVEC).
2. Forecast by ODOE.

Table A-11. Forecast of Ohio Electricity Demand - Commercial Sector
(1000 MWH)

Month	Lower 95% Confidence Limit	Forecast (1980-1981)	Upper 95% Confidence Limit	Actual (1979-1980)	Forecast Percentage Change
November	1,490.3	1,648.0	1,805.7	1,550.2	6.3
December	1,584.2	1,749.4	1,914.5	1,642.2	6.5
January	1,683.6	1,856.0	2,028.4	1,732.7	7.1
February	1,710.8	1,890.1	2.069.4	1,785.8	5.8
March	1,576.5	1,762.4	1,948.3	1,720.5	2.4
April	1,446.6	1,638.9	1,831.2	1,596.7	2.6
May	1,376.9	1,575.4	1,773.9	1,518.9	3.7
June	1,520,8	1,737.9	1,955.1	1,622.4	7.1
July	1,602.5	1,860.0	2,094.3	1,830.1	1.6
August	1,665.8	1,918.0	2,170.6	1,946.0	- 1.4
September	1,650.2	1,908.0	2,167.7	1,907.2	0
October	1,438.6	1,703.0	1,968.5	1,617.6	5.3

Notes:

1. The forecast is based on the monthly comparative summary statistics of the Ohio Electric Utilities Institute for eight major investor-owned electric utilities (excluding OVEC).
2. Forecast by ODOE.

Table A-12. Forecast of Ohio Electricity Demand - Industrial Sector
(1000 MWH)

Month	Lower 95% Confidence Limit	Forecast (1980-1981)	Upper 95% Confidence Limit	Actual (1979-1980)	Forecast Percentage Change
November	3,460.3	3,796.4	4,132.5	4,032.8	-5.9
December	3,277.7	3,689.3	4,100.9	3,920.5	-5.9
January	3,302.6	3,777.8	4,253.1	4,055.4	-6.8
February	3,226.0	3,757.3	4,288.7	4,143.9	-9.3
March	3,293.1	3,875.2	4,457.3	4,196.2	-7.6
April	3,162.5	3,791.2	4,420.0	4,006.3	-5.4
May	3,115.2	3,787.3	4,459.4	3,785.3	0.1
June	3,013.7	3,726.7	4,439.4	3,616.0	3.1
July	2,833.4	3,584.9	4,336.3	3,475.9	3.1
August	2,933.2	3,721.3	4,509.5	3,621.3	2.8
September	2,922.5	3,745.7	4,568.8	3,806.1	-1.6
October	2,934.0	3,815.5	4,696.9	3,910.3	-2.4

Notes: 1. The Forecast is based on the monthly comparative summary statistics of the Ohio Electric Utilities Institute for eight major investor-owned electric utilities (excluding OVEC).

2. Forecast by ODOE.

Table A-13. Forecast of Ohio Electricity Demand - All Sectors
(1000 MWH)

Month	Lower 95% Confidence Limit	Forecast (1980-1981)	Upper 95% Confidence Limit	Actual (1979-1980)	Forecast Percentage Change
November	7,840.0	8,435.5	9,031.1	8,217.1	2.7
December	8,149.0	8,878.4	9,607.7	8,582.2	3.5
January	8,757.0	9,599.2	10,441.1	9,244.2	3.8
February	8,692.2	9,633.8	10,575.5	9,419.9	2.3
March	8,285.1	9,316.6	10,348.1	9,245.0	0.8
April	7,500.0	8,614.2	9,728.3	8,439.5	2.1
May	7,250.0	8,441.1	9,632.1	7,704.9	9.6
June	6,936.1	8,199.4	9,462.7	7,624.6	7.5
July	7,231.4	8,563.1	9,894.7	8,170.8	4.8
August	7,629.5	9,026.2	10,422.8	8,765.4	3.0
September	7,466.2	8,925.0	10,383.7	8,757.3	1.9
October	6,960.9	8,555.5	10,150.0	8,006.5	6.9

Notes:

1. The forecast is based on the monthly comparative summary statistics of the Ohio Electric Utilities Institute for eight major investor-owned electric utilities (excluding OVEC).
2. Forecast by ODOE.

APPENDIX B

FORECAST OF NATURAL GAS DEMAND BY UTILITY

Table B-1. Comparison Between Two Years of Actual Gas Supply for Cincinnati Gas and Electric Company (MMCF)

MO/YR	COLUMBIA GAS	CONSOLIDATED GAS	LAWRENCEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
9/79	2713	0	209	0	0	0	0	9	0	154	214	0	0	3299
9/78	2890	0	141	0	0	0	0	8	0	136	293	0	0	3468
	-6.1%	0.0%	48.2%	0.0%	0.0%	0.0%	0.0%	12.5%	0.0%	13.2%	-27.0%	0.0%	0.0%	-4.9%
10/79	5628	0	161	0	0	0	0	17	0	206	338	0	0	6350
10/78	5803	0	107	0	0	0	0	18	0	146	391	0	0	6465
	-3.0%	0.0%	50.5%	0.0%	0.0%	0.0%	0.0%	-5.6%	0.0%	41.1%	-13.6%	0.0%	0.0%	-1.8%
11/79	7963	0	194	0	0	0	0	28	0	181	557	0	0	8923
11/78	7767	0	42	0	0	0	0	25	0	139	644	0	0	8617
	2.5%	0.0%	361.9%	0.0%	0.0%	0.0%	0.0%	12.0%	0.0%	30.2%	-13.5%	0.0%	0.0%	3.6%
12/79	10608	0	90	0	0	0	0	37	0	190	742	1	0	11668
12/78	11256	0	42	0	0	0	0	39	0	162	857	22	0	12378
	-5.8%	0.0%	114.3%	0.0%	0.0%	0.0%	0.0%	-5.1%	0.0%	17.3%	-13.4%	-95.5%	0.0%	-5.7%
1/80	12411	0	104	0	0	0	0	43	0	197	784	3	0	13542
1/79	15159	0	23	0	0	0	0	55	0	188	907	69	0	16401
	-18.1%	0.0%	352.2%	0.0%	0.0%	0.0%	0.0%	-21.8%	0.0%	4.8%	-13.6%	-95.7%	0.0%	-17.4%
2/80	12578	0	92	0	0	0	0	45	0	213	751	2	0	13681
2/79	13115	0	14	0	0	0	0	48	0	159	867	56	0	14259
	-4.1%	0.0%	557.1%	0.0%	0.0%	0.0%	0.0%	-6.3%	0.0%	34.0%	-13.4%	-96.4%	0.0%	-4.1%
3/80	10029	0	151	0	0	0	0	35	0	207	673	6	0	11101
3/79	8517	0	60	0	0	0	0	28	0	146	778	27	0	9556
	17.8%	0.0%	151.7%	0.0%	0.0%	0.0%	0.0%	25.0%	0.0%	41.8%	-13.5%	-77.8%	0.0%	16.2%
4/80	5598	0	226	0	0	0	0	19	0	238	521	0	0	6602
4/79	6453	0	121	0	0	0	0	21	0	180	521	0	0	7296
	-13.2%	0.0%	86.8%	0.0%	0.0%	0.0%	0.0%	-9.5%	0.0%	32.2%	0.0%	0.0%	0.0%	-9.5%
5/80	2567	0	238	0	0	0	0	9	0	140	387	0	0	3341
5/79	4072	0	211	0	0	0	0	11	0	193	387	0	0	4874
	-37.0%	0.0%	12.8%	0.0%	0.0%	0.0%	0.0%	-18.2%	0.0%	-27.5%	0.0%	0.0%	0.0%	-31.5%
6/80	2165	0	259	0	0	0	0	6	0	41	306	0	0	2777
6/79	3035	0	200	0	0	0	0	8	0	189	306	0	0	3738
	-28.7%	0.0%	29.5%	0.0%	0.0%	0.0%	0.0%	-25.0%	0.0%	-78.3%	0.0%	0.0%	0.0%	-25.7%
7/80	2129	0	258	0	0	0	0	6	0	72	294	0	0	2759
7/79	2799	0	245	0	0	0	0	8	0	195	294	0	0	3541
	-23.9%	0.0%	5.3%	0.0%	0.0%	0.0%	0.0%	-25.0%	0.0%	-63.1%	0.0%	0.0%	0.0%	-22.1%
8/80	2592	0	256	0	0	0	0	7	0	49	294	0	0	3198
8/79	2959	0	0	0	0	0	0	8	0	212	294	0	0	3473
	-12.4%	0.0%	999.9%	0.0%	0.0%	0.0%	0.0%	-12.5%	0.0%	-76.9%	0.0%	0.0%	0.0%	-7.9%
SUMMER TOTAL														
	23392	0	1607	0	0	0	0	73	0	900	2354	0	0	28326
	28011	0	1025	0	0	0	0	82	0	1251	2486	0	0	32855
	-16.5%	0.0%	56.8%	0.0%	0.0%	0.0%	0.0%	-11.0%	0.0%	-28.1%	-5.3%	0.0%	0.0%	-13.8%
WINTER TOTAL														
	53589	0	631	0	0	0	0	188	0	988	3507	12	0	58915
	55814	0	181	0	0	0	0	195	0	794	4053	174	0	61211
	-4.0%	0.0%	248.6%	0.0%	0.0%	0.0%	0.0%	-3.6%	0.0%	24.4%	-13.5%	-93.1%	0.0%	-3.8%
YEAR TOTAL														
	76981	0	2238	0	0	0	0	261	0	1888	5861	12	0	87241
	83825	0	1206	0	0	0	0	277	0	2045	6539	174	0	94066
	-8.2%	0.0%	85.6%	0.0%	0.0%	0.0%	0.0%	-5.8%	0.0%	-7.7%	-10.4%	-93.1%	0.0%	-7.3%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

Table B-2. Comparison Between Two Years of Actual Gas Supply for Columbia Gas of Ohio
(MMCF)

MO/YR	COLUMBIA GAS	CONSOLID-ATED GAS	LAWREN-CEBURG	MICH. WISC.	PANHANDLE EAST	PENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
9/79	14777	0	0	0	0	0	0	0	0	530	933	0	-158	16082
9/78	14212	0	0	0	0	0	0	0	0	501	1268	0	-210	15771
	4.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.8%	-26.4%	0.0%	24.8%	2.0%
10/79	22526	0	0	0	0	0	0	0	0	528	1514	0	-224	24344
10/78	22956	0	0	0	0	0	0	0	0	599	1755	0	-123	25187
	-1.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-11.9%	-13.7%	0.0%	-82.1%	-3.3%
11/79	30198	0	0	0	0	0	0	0	0	623	2114	0	-60	32875
11/78	28386	0	0	0	0	0	0	0	0	766	2449	0	32	31633
	6.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-18.7%	-13.7%	0.0%	-287.5%	3.9%
12/79	37908	0	0	0	0	0	0	0	0	615	2725	0	142	41390
12/78	40203	0	0	0	0	0	0	0	0	223	3158	0	298	43882
	-5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	175.8%	-13.7%	0.0%	-52.3%	-5.7%
1/80	45837	0	0	0	0	0	0	0	0	495	2872	0	99	49303
1/79	53298	0	0	0	0	0	0	0	0	399	3328	0	-6	57019
	-14.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	24.1%	-13.7%	0.0%	1750.0%	-13.5%
2/80	46193	0	0	0	0	0	0	0	0	562	2618	0	-131	49242
2/79	49007	0	0	0	0	0	0	0	0	534	3033	0	-60	52514
	-5.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	5.2%	-13.7%	0.0%	-118.3%	-6.2%
3/80	39486	0	0	0	0	0	0	0	0	396	2468	0	-44	42306
3/79	33117	0	0	0	0	0	0	0	0	436	2860	0	203	36616
	19.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-9.2%	-13.7%	0.0%	-121.7%	15.5%
4/80	25296	0	0	0	0	0	0	0	0	437	2102	0	-85	27750
4/79	27367	0	0	0	0	0	0	0	0	578	2102	0	-22	30025
	-7.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-24.4%	0.0%	0.0%	-286.4%	-7.6%
5/80	15528	0	0	0	0	0	0	0	0	489	1595	0	-99	17513
5/79	18818	0	0	0	0	0	0	0	0	588	1595	0	-149	20852
	-17.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-16.8%	0.0%	0.0%	33.6%	-16.0%
6/80	12209	0	0	0	0	0	0	0	0	506	1289	0	-34	13970
6/79	13792	0	0	0	0	0	0	0	0	558	1289	0	-217	15422
	-11.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-9.3%	0.0%	0.0%	84.3%	-9.4%
7/80	11122	0	0	0	0	0	0	0	0	481	1158	0	3	12764
7/79	12363	0	0	0	0	0	0	0	0	480	1158	0	-300	13701
	-10.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.2%	0.0%	0.0%	101.0%	-6.8%
8/80	12097	0	0	0	0	0	0	0	0	465	1174	0	37	13773
8/79	13418	0	0	0	0	0	0	0	0	513	1174	0	152	15257
	-9.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-9.4%	0.0%	0.0%	-75.7%	-9.7%
SUMMER TOTAL														
	113555	0	0	0	0	0	0	0	0	3436	9765	0	-560	126196
	122926	0	0	0	0	0	0	0	0	3817	10341	0	-869	136215
	-7.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-10.0%	-5.6%	0.0%	35.6%	-7.4%
WINTER TOTAL														
	199622	0	0	0	0	0	0	0	0	2691	12797	0	6	215116
	204011	0	0	0	0	0	0	0	0	2358	14828	0	467	221664
	-2.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	14.1%	-13.7%	0.0%	-98.7%	-3.0%
YEAR TOTAL														
	313177	0	0	0	0	0	0	0	0	6127	22562	0	-554	341312
	326937	0	0	0	0	0	0	0	0	6175	25169	0	-402	357879
	-4.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-0.8%	-10.4%	0.0%	-37.8%	-4.6%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

Table B-3. Comparison Between Two Years of Actual Gas Supply for Dayton Power and Light Company (MMCF)

MO/YR	COLUMBIA GAS	CONSOLID-ATED GAS	LAWREN-CEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
9/79	2263	0	0	0	4	0	0	0	0	0	140	0	0	2407
9/78	2373	0	0	0	3	0	0	0	0	0	186	0	0	2562
	-4.6%	0.0%	0.0%	0.0%	33.3%	0.0%	0.0%	0.0%	0.0%	0.0%	-24.7%	0.0%	0.0%	-6.0%
10/79	3654	0	0	0	7	0	0	0	0	0	0	0	0	3661
10/78	3525	0	0	0	9	0	0	0	0	0	253	0	0	3787
	3.7%	0.0%	0.0%	0.0%	-22.2%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	-3.3%
11/79	5634	0	0	0	14	0	0	0	0	0	384	0	0	6032
11/78	4312	0	0	0	13	0	0	0	0	0	443	0	431	5199
	30.7%	0.0%	0.0%	0.0%	7.7%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.3%	0.0%	-100.0%	16.0%
12/79	7099	0	0	0	17	0	0	0	0	0	544	0	0	7660
12/78	7105	0	0	0	19	0	0	0	0	0	249	0	627	8000
	-0.1%	0.0%	0.0%	0.0%	-10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	118.5%	0.0%	-100.0%	-4.3%
1/80	7774	0	0	0	21	0	0	0	0	0	611	0	0	8406
1/79	10026	0	0	0	26	0	0	0	0	0	706	0	0	10758
	-22.5%	0.0%	0.0%	0.0%	-19.2%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.5%	0.0%	0.0%	-21.9%
2/80	10702	0	0	0	20	0	0	0	0	0	0	0	0	10722
2/79	11475	0	0	0	23	0	0	0	0	0	754	0	0	12252
	-6.7%	0.0%	0.0%	0.0%	-13.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	-12.5%
3/80	8517	0	0	0	18	0	0	0	0	0	0	0	0	8535
3/79	7040	0	0	0	15	0	0	0	0	0	616	0	0	7671
	21.0%	0.0%	0.0%	0.0%	20.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	11.3%
4/80	5860	0	0	0	10	0	0	0	0	0	0	0	0	5870
4/79	5502	0	0	0	11	0	0	0	0	0	475	0	0	5988
	6.5%	0.0%	0.0%	0.0%	-9.1%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	-2.0%
5/80	3050	0	0	0	5	0	0	0	0	0	0	0	0	3055
5/79	3091	0	0	0	6	0	0	0	0	0	281	0	0	3378
	-1.3%	0.0%	0.0%	0.0%	-16.7%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	-9.6%
6/80	2216	0	0	0	3	0	0	0	0	0	0	0	0	2219
6/79	2789	0	0	0	3	0	0	0	0	0	191	0	0	2983
	-20.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	-25.6%
7/80	1895	0	0	0	3	0	0	0	0	0	0	0	0	1898
7/79	2164	0	0	0	3	0	0	0	0	0	147	0	0	2314
	-12.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	-18.0%
8/80	1893	0	0	0	3	0	0	0	0	0	0	0	0	1896
8/79	2185	0	0	0	3	0	0	0	0	0	155	0	0	2343
	-13.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-100.0%	0.0%	0.0%	-19.1%
SUMMER TOTAL														
	20831	0	0	0	35	0	0	0	0	0	140	0	0	21006
	21629	0	0	0	38	0	0	0	0	0	1688	0	0	23355
	-3.7%	0.0%	0.0%	0.0%	-7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	-91.7%	0.0%	0.0%	-10.1%
WINTER TOTAL														
	39726	0	0	0	90	0	0	0	0	0	1539	0	0	41355
	39958	0	0	0	96	0	0	0	0	0	2768	0	1058	43880
	-0.6%	0.0%	0.0%	0.0%	-6.3%	0.0%	0.0%	0.0%	0.0%	0.0%	-44.4%	0.0%	-100.0%	-5.8%
YEAR TOTAL														
	60557	0	0	0	125	0	0	0	0	0	1679	0	0	62361
	61587	0	0	0	134	0	0	0	0	0	4456	0	1058	67235
	-1.7%	0.0%	0.0%	0.0%	-6.7%	0.0%	0.0%	0.0%	0.0%	0.0%	-62.3%	0.0%	-100.0%	-7.2%

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Table B-4. Comparison Between Two Years of Actual Gas Supply for East Ohio Gas Company (MMCF)

MO/YR	COLUMBIA GAS	CONSOLIDATED GAS	LAWRENCEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
9/79	0	14480	0	0	5361	0	0	0	0	5114	0	148	0	25103
9/78	0	14128	0	0	5252	0	0	0	0	4701	0	115	0	24196
	0.0%	2.5%	0.0%	0.0%	2.1%	0.0%	0.0%	0.0%	0.0%	8.8%	0.0%	28.7%	0.0%	3.7%
10/79	0	23522	0	0	5655	0	0	0	0	4390	0	191	0	33758
10/78	0	23205	0	0	5454	0	0	0	0	4144	0	120	0	32923
	0.0%	1.4%	0.0%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	5.9%	0.0%	59.2%	0.0%	2.5%
11/79	0	16191	0	0	5395	0	0	0	0	4805	0	7955	0	34346
11/78	0	19400	0	0	4998	0	0	0	0	4600	0	6029	0	35027
	0.0%	-16.5%	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	4.5%	0.0%	31.9%	0.0%	-1.9%
12/79	0	15523	0	0	5603	0	0	0	0	4920	0	18419	0	44465
12/78	0	19100	0	0	5237	0	0	0	0	4718	0	19557	0	48612
	0.0%	-18.7%	0.0%	0.0%	7.0%	0.0%	0.0%	0.0%	0.0%	4.3%	0.0%	-5.8%	0.0%	-8.5%
1/80	0	27304	0	0	5577	0	0	0	0	4950	0	15021	0	52852
1/79	0	36496	0	0	5047	0	0	0	0	4220	0	15664	0	61427
	0.0%	-25.2%	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	17.3%	0.0%	-4.1%	0.0%	-14.0%
2/80	0	30233	0	0	5367	0	0	0	0	3253	0	10437	0	49290
2/79	0	37101	0	0	4742	0	0	0	0	4358	0	12435	0	58636
	0.0%	-18.5%	0.0%	0.0%	13.2%	0.0%	0.0%	0.0%	0.0%	-25.4%	0.0%	-16.1%	0.0%	-15.9%
3/80	0	23793	0	0	5722	0	0	0	0	4321	0	9082	0	42918
3/79	0	22381	0	0	5399	0	0	0	0	3703	0	7926	0	39409
	0.0%	6.3%	0.0%	0.0%	6.0%	0.0%	0.0%	0.0%	0.0%	16.7%	0.0%	14.6%	0.0%	8.9%
4/80	0	25845	0	0	5477	0	0	0	0	4410	0	380	0	36112
4/79	0	28498	0	0	5358	0	0	0	0	4288	0	994	0	39138
	0.0%	-9.3%	0.0%	0.0%	2.2%	0.0%	0.0%	0.0%	0.0%	2.8%	0.0%	-61.8%	0.0%	-7.7%
5/80	0	16000	0	0	5589	0	0	0	0	4503	0	281	0	26373
5/79	0	21405	0	0	5591	0	0	0	0	4250	0	255	0	31501
	0.0%	-25.3%	0.0%	0.0%	-0.0%	0.0%	0.0%	0.0%	0.0%	6.0%	0.0%	10.2%	0.0%	-16.3%
6/80	0	12569	0	0	5362	0	0	0	0	4270	0	140	0	22341
6/79	0	16314	0	0	5384	0	0	0	0	4743	0	148	0	26589
	0.0%	-23.0%	0.0%	0.0%	-0.4%	0.0%	0.0%	0.0%	0.0%	-10.0%	0.0%	-5.4%	0.0%	-16.0%
7/80	0	9290	0	0	5725	0	0	0	0	4830	0	153	0	19998
7/79	0	14833	0	0	5519	0	0	0	0	4287	0	150	0	24789
	0.0%	-37.4%	0.0%	0.0%	3.7%	0.0%	0.0%	0.0%	0.0%	12.7%	0.0%	2.0%	0.0%	-19.3%
8/80	0	9737	0	0	5715	0	0	0	0	4275	0	151	0	19878
8/79	0	14588	0	0	5565	0	0	0	0	4514	0	143	0	24810
	0.0%	-33.3%	0.0%	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	-5.3%	0.0%	5.6%	0.0%	-19.9%
SUMMER TOTAL														
	0	111443	0	0	38884	0	0	0	0	31792	0	1444	0	183563
	0	132971	0	0	38123	0	0	0	0	30927	0	1925	0	203946
	0.0%	-16.2%	0.0%	0.0%	2.0%	0.0%	0.0%	0.0%	0.0%	2.8%	0.0%	-25.0%	0.0%	-10.0%
WINTER TOTAL														
	0	113044	0	0	27664	0	0	0	0	22249	0	60914	0	223871
	0	134478	0	0	25423	0	0	0	0	21599	0	61611	0	243111
	0.0%	-15.9%	0.0%	0.0%	8.8%	0.0%	0.0%	0.0%	0.0%	3.0%	0.0%	-1.1%	0.0%	-7.9%
YEAR TOTAL														
	0	224487	0	0	66548	0	0	0	0	54041	0	62358	0	407434
	0	267449	0	0	63546	0	0	0	0	52526	0	63536	0	447057
	0.0%	-16.1%	0.0%	0.0%	4.7%	0.0%	0.0%	0.0%	0.0%	2.9%	0.0%	-1.9%	0.0%	-8.9%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

Table B-5. Comparison Between Two Years of Actual Gas Supply for National Gas and Oil Company (MMCF)

MO/YR	COLUMBIA GAS	CONSOLIDATED GAS	LAWRENCEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
9/79	0	0	0	0	0	110	595	0	0	507	0	1	-49	1164
9/78	0	0	0	0	0	139	426	0	0	489	0	1	-19	1036
	0.0%	0.0%	0.0%	0.0%	0.0%	-20.9%	39.7%	0.0%	0.0%	3.7%	0.0%	0.0%	-157.9%	12.4%
10/79	0	0	0	0	0	129	642	0	0	531	0	24	-102	1224
10/78	0	0	0	0	0	152	561	0	0	513	0	24	-150	1100
	0.0%	0.0%	0.0%	0.0%	0.0%	-15.1%	14.4%	0.0%	0.0%	3.5%	0.0%	0.0%	32.0%	11.3%
11/79	0	0	0	0	0	153	534	0	0	533	0	131	-67	1284
11/78	0	0	0	0	0	123	550	0	0	525	0	48	-62	1184
	0.0%	0.0%	0.0%	0.0%	0.0%	24.4%	-2.9%	0.0%	0.0%	1.5%	0.0%	172.9%	-8.1%	8.4%
12/79	0	0	0	0	0	142	621	0	0	522	0	216	-87	1414
12/78	0	0	0	0	0	136	521	0	0	436	0	78	-100	1071
	0.0%	0.0%	0.0%	0.0%	0.0%	4.4%	19.2%	0.0%	0.0%	19.7%	0.0%	176.9%	13.0%	32.0%
1/80	0	0	0	0	0	157	686	0	0	467	0	217	9	1536
1/79	0	0	0	0	0	139	605	0	0	404	0	315	-113	1350
	0.0%	0.0%	0.0%	0.0%	0.0%	12.9%	13.4%	0.0%	0.0%	15.6%	0.0%	-31.1%	108.0%	13.8%
2/80	0	0	0	0	0	130	647	0	0	492	0	352	2	1623
2/79	0	0	0	0	0	121	465	0	0	368	0	385	6	1345
	0.0%	0.0%	0.0%	0.0%	0.0%	7.4%	39.1%	0.0%	0.0%	33.7%	0.0%	-8.6%	-66.7%	20.7%
3/80	0	0	0	0	0	133	640	0	0	466	0	268	96	1603
3/79	0	0	0	0	0	128	525	0	0	380	0	111	114	1258
	0.0%	0.0%	0.0%	0.0%	0.0%	3.9%	21.9%	0.0%	0.0%	22.6%	0.0%	141.4%	-15.8%	27.4%
4/80	0	0	0	0	0	148	546	0	0	532	0	51	4	1281
4/79	0	0	0	0	0	125	586	0	0	424	0	51	-49	1137
	0.0%	0.0%	0.0%	0.0%	0.0%	18.4%	-6.8%	0.0%	0.0%	25.5%	0.0%	0.0%	108.2%	12.7%
5/80	0	0	0	0	0	139	566	0	0	478	0	5	7	1195
5/79	0	0	0	0	0	123	609	0	0	379	0	16	-62	1065
	0.0%	0.0%	0.0%	0.0%	0.0%	13.0%	-7.1%	0.0%	0.0%	26.1%	0.0%	-68.8%	111.3%	12.2%
6/80	0	0	0	0	0	149	546	0	0	513	0	2	-98	1112
6/79	0	0	0	0	0	116	542	0	0	387	0	5	-20	1030
	0.0%	0.0%	0.0%	0.0%	0.0%	28.4%	0.7%	0.0%	0.0%	32.6%	0.0%	-60.0%	-390.0%	8.0%
7/80	0	0	0	0	0	153	606	0	0	473	0	0	-58	1174
7/79	0	0	0	0	0	112	572	0	0	417	0	9	-21	1089
	0.0%	0.0%	0.0%	0.0%	0.0%	36.6%	5.9%	0.0%	0.0%	13.4%	0.0%	-100.0%	-176.2%	7.8%
8/80	0	0	0	0	0	153	469	0	0	519	0	2	-32	1111
8/79	0	0	0	0	0	125	654	0	0	473	0	4	-16	1240
	0.0%	0.0%	0.0%	0.0%	0.0%	22.4%	-28.3%	0.0%	0.0%	9.7%	0.0%	-50.0%	-100.0%	-10.4%
SUMMER TOTAL														
	0	0	0	0	0	981	3970	0	0	3553	0	85	-328	8261
	0	0	0	0	0	892	3950	0	0	3082	0	110	-337	7697
	0.0%	0.0%	0.0%	0.0%	0.0%	10.0%	0.5%	0.0%	0.0%	15.3%	0.0%	-22.7%	2.7%	7.3%
WINTER TOTAL														
	0	0	0	0	0	715	3128	0	0	2480	0	1184	-47	7460
	0	0	0	0	0	647	2666	0	0	2113	0	937	-155	6208
	0.0%	0.0%	0.0%	0.0%	0.0%	10.5%	17.3%	0.0%	0.0%	17.4%	0.0%	26.4%	69.7%	20.2%
YEAR TOTAL														
	0	0	0	0	0	1696	7098	0	0	6033	0	1269	-375	15721
	0	0	0	0	0	1539	6616	0	0	5195	0	1047	-492	13905
	0.0%	0.0%	0.0%	0.0%	0.0%	10.2%	7.3%	0.0%	0.0%	16.1%	0.0%	21.2%	23.8%	13.1%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

Table B-6. Comparison Between Two Years of Actual Gas Supply for Ohio Gas Company
(MMCF)

MO/YR	COLUMBIA GAS	CONSOLIDATED GAS	LAWRENCEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
9/79	0	0	0	0	227	0	0	0	0	72	0	0	0	299
9/78	0	0	0	0	243	0	0	0	0	5	0	0	4	252
	0.0%	0.0%	0.0%	0.0%	-6.6%	0.0%	0.0%	0.0%	0.0%	1340.0%	0.0%	0.0%	-100.0%	18.7%
10/79	0	0	0	0	463	0	0	0	0	70	0	0	4	537
10/78	0	0	0	0	497	0	0	0	39	6	0	0	1	543
	0.0%	0.0%	0.0%	0.0%	-6.8%	0.0%	0.0%	0.0%	-100.0%	1066.7%	0.0%	0.0%	300.0%	-1.1%
11/79	0	0	0	0	666	0	0	0	0	97	0	0	16	779
11/78	0	0	0	0	661	0	0	0	0	36	0	0	1	698
	0.0%	0.0%	0.0%	0.0%	0.8%	0.0%	0.0%	0.0%	0.0%	169.4%	0.0%	0.0%	1500.0%	11.6%
12/79	0	0	0	0	809	0	0	0	0	68	0	0	24	901
12/78	0	0	0	0	905	0	0	0	0	37	0	0	37	979
	0.0%	0.0%	0.0%	0.0%	-10.6%	0.0%	0.0%	0.0%	0.0%	83.8%	0.0%	0.0%	-35.1%	-8.0%
1/80	0	0	0	0	1014	0	0	0	0	62	0	0	20	1096
1/79	0	0	0	0	1096	0	0	0	0	34	0	68	32	1230
	0.0%	0.0%	0.0%	0.0%	-7.5%	0.0%	0.0%	0.0%	0.0%	82.4%	0.0%	-100.0%	-37.5%	-10.9%
2/80	0	0	0	0	967	0	0	0	0	63	0	0	20	1050
2/79	0	0	0	0	942	0	0	0	0	42	0	109	37	1130
	0.0%	0.0%	0.0%	0.0%	2.7%	0.0%	0.0%	0.0%	0.0%	50.0%	0.0%	-100.0%	-45.9%	-7.1%
3/80	0	0	0	0	816	0	0	0	0	68	0	0	20	904
3/79	0	0	0	0	915	0	0	0	0	22	0	0	31	968
	0.0%	0.0%	0.0%	0.0%	-10.8%	0.0%	0.0%	0.0%	0.0%	209.1%	0.0%	0.0%	-35.5%	-6.6%
4/80	0	0	0	0	439	0	0	0	0	64	0	0	20	523
4/79	0	0	0	0	570	0	0	0	0	21	0	2	20	613
	0.0%	0.0%	0.0%	0.0%	-23.0%	0.0%	0.0%	0.0%	0.0%	204.8%	0.0%	-100.0%	0.0%	-14.7%
5/80	0	0	0	0	224	0	0	0	0	53	0	0	20	297
5/79	0	0	0	0	344	0	0	0	0	40	0	0	3	387
	0.0%	0.0%	0.0%	0.0%	-34.9%	0.0%	0.0%	0.0%	0.0%	32.5%	0.0%	0.0%	566.7%	-23.3%
6/80	0	0	0	0	202	0	0	0	0	50	0	0	15	267
6/79	0	0	0	0	221	0	0	0	0	66	0	0	5	292
	0.0%	0.0%	0.0%	0.0%	-8.6%	0.0%	0.0%	0.0%	0.0%	-24.2%	0.0%	0.0%	200.0%	-8.6%
7/80	0	0	0	0	153	0	0	0	0	59	0	0	15	227
7/79	0	0	0	0	196	0	0	0	0	69	0	0	5	270
	0.0%	0.0%	0.0%	0.0%	-21.9%	0.0%	0.0%	0.0%	0.0%	-14.5%	0.0%	0.0%	200.0%	-15.9%
8/80	0	0	0	0	154	0	0	0	0	66	0	0	10	230
8/79	0	0	0	0	185	0	0	0	0	84	0	0	5	274
	0.0%	0.0%	0.0%	0.0%	-16.8%	0.0%	0.0%	0.0%	0.0%	-21.4%	0.0%	0.0%	100.0%	-16.1%
SUMMER TOTAL														
	0	0	0	0	1862	0	0	0	0	434	0	0	84	2380
	0	0	0	0	2256	0	0	0	39	291	0	2	43	2631
	0.0%	0.0%	0.0%	0.0%	-17.5%	0.0%	0.0%	0.0%	-100.0%	49.1%	0.0%	-100.0%	95.3%	-9.5%
WINTER TOTAL														
	0	0	0	0	4272	0	0	0	0	358	0	0	100	4730
	0	0	0	0	4519	0	0	0	0	171	0	177	138	5005
	0.0%	0.0%	0.0%	0.0%	-5.5%	0.0%	0.0%	0.0%	0.0%	109.4%	0.0%	-100.0%	-27.5%	-5.5%
YEAR TOTAL														
	0	0	0	0	6134	0	0	0	0	792	0	0	184	7110
	0	0	0	0	6775	0	0	0	39	462	0	179	181	7636
	0.0%	0.0%	0.0%	0.0%	-9.5%	0.0%	0.0%	0.0%	-100.0%	71.4%	0.0%	-100.0%	1.7%	-6.9%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

Table B-7. Comparison Between Two Years of Actual Gas Supply for River Gas Company (MMCF)

MO/YR	COLUMBIA GAS	CONSOLIDATED GAS	LAWRENCEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
9/79	0	74	0	0	0	0	0	0	0	152	0	0	0	226
9/78	0	61	0	0	0	0	0	0	0	104	0	0	0	165
	0.0%	21.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	46.2%	0.0%	0.0%	0.0%	37.0%
10/79	0	187	0	0	0	0	0	0	0	139	0	0	0	326
10/78	0	181	0	0	0	0	0	0	0	131	0	0	0	312
	0.0%	3.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	6.1%	0.0%	0.0%	0.0%	4.5%
11/79	0	257	0	0	0	0	0	0	0	163	0	0	0	420
11/78	0	307	0	0	0	0	0	0	0	145	0	0	0	452
	0.0%	-16.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.4%	0.0%	0.0%	0.0%	-7.1%
12/79	0	372	0	0	0	0	0	0	0	196	0	0	0	568
12/78	0	504	0	0	0	0	0	0	0	169	0	0	0	673
	0.0%	-26.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	16.0%	0.0%	0.0%	0.0%	-15.6%
1/80	0	468	0	0	0	0	0	0	0	159	0	0	0	627
1/79	0	768	0	0	0	0	0	0	0	120	0	0	0	888
	0.0%	-39.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	32.5%	0.0%	0.0%	0.0%	-29.4%
2/80	0	559	0	0	0	0	0	0	0	154	0	0	0	713
2/79	0	697	0	0	0	0	0	0	0	111	0	0	0	808
	0.0%	-19.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	38.7%	0.0%	0.0%	0.0%	-11.8%
3/80	0	415	0	0	0	0	0	0	0	146	0	0	0	561
3/79	0	369	0	0	0	0	0	0	0	119	0	0	0	488
	0.0%	12.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	22.7%	0.0%	0.0%	0.0%	15.0%
4/80	0	195	0	0	0	0	0	0	0	180	0	0	0	375
4/79	0	227	0	0	0	0	0	0	0	175	0	0	0	402
	0.0%	-14.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	2.9%	0.0%	0.0%	0.0%	-6.7%
5/80	0	68	0	0	0	0	0	0	0	135	0	0	0	203
5/79	0	108	0	0	0	0	0	0	0	153	0	0	0	261
	0.0%	-37.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-11.8%	0.0%	0.0%	0.0%	-22.2%
6/80	0	19	0	0	0	0	0	0	0	134	0	0	0	153
6/79	0	57	0	0	0	0	0	0	0	172	0	0	0	229
	0.0%	-66.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-22.1%	0.0%	0.0%	0.0%	-33.2%
7/80	0	12	0	0	0	0	0	0	0	144	0	0	0	156
7/79	0	49	0	0	0	0	0	0	0	112	0	0	0	161
	0.0%	-75.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	28.6%	0.0%	0.0%	0.0%	-3.1%
8/80	0	26	0	0	0	0	0	0	0	121	0	0	0	147
8/79	0	51	0	0	0	0	0	0	0	116	0	0	0	167
	0.0%	-49.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.3%	0.0%	0.0%	0.0%	-12.0%
SUMMER TOTAL														
	0	581	0	0	0	0	0	0	0	1005	0	0	0	1586
	0	734	0	0	0	0	0	0	0	963	0	0	0	1697
	0.0%	-20.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	4.4%	0.0%	0.0%	0.0%	-6.5%
WINTER TOTAL														
	0	2071	0	0	0	0	0	0	0	818	0	0	0	2889
	0	2645	0	0	0	0	0	0	0	664	0	0	0	3309
	0.0%	-21.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	23.2%	0.0%	0.0%	0.0%	-12.7%
YEAR TOTAL														
	0	2652	0	0	0	0	0	0	0	1823	0	0	0	4475
	0	3379	0	0	0	0	0	0	0	1627	0	0	0	5006
	0.0%	-21.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	12.0%	0.0%	0.0%	0.0%	-10.6%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

Table B-8. Comparison Between Two Years of Actual Gas Supply for
West Ohio Gas Company
(MMCF)

MO/YR	COLUMBIA GAS	CONSOLID-ATED GAS	LAWREN-CEBURG	MICH. WISC.	PANHANDLE EAST	TENN. GAS	TEXAS EASTERN	TEXAS GAS	EMERG GAS	OHIO PRODUCT	SNG	STORAGE/ PROPANE	OTHER	TOTAL SUPPLIES
9/79	504	0	0	33	0	0	0	0	0	0	34	0	0	571
9/78	439	0	0	57	0	0	0	0	0	0	48	0	0	544
	14.8%	0.0%	0.0%	-42.1%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-29.2%	0.0%	0.0%	5.0%
10/79	875	0	0	100	0	0	0	0	0	0	63	0	0	1038
10/78	1113	0	0	112	0	0	0	0	0	0	72	0	0	1297
	-21.4%	0.0%	0.0%	-10.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-12.5%	0.0%	0.0%	-20.0%
11/79	1309	0	0	136	0	0	0	0	0	0	90	0	0	1535
11/78	1051	0	0	126	0	0	0	0	0	0	104	200	0	1481
	24.5%	0.0%	0.0%	7.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.5%	-100.0%	0.0%	3.6%
12/79	1562	0	0	159	0	0	0	0	0	0	120	0	0	1841
12/78	1711	0	0	171	0	0	0	0	0	0	139	0	0	2021
	-8.7%	0.0%	0.0%	-7.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-13.7%	0.0%	0.0%	-8.9%
1/80	1941	0	0	190	0	0	0	0	0	0	129	0	0	2260
1/79	2316	0	0	202	0	0	0	0	0	0	150	0	0	2668
	-16.2%	0.0%	0.0%	-5.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-14.0%	0.0%	0.0%	-15.3%
2/80	1895	0	0	191	0	0	0	0	0	0	111	0	0	2197
2/79	2163	0	0	184	0	0	0	0	0	0	125	0	0	2472
	-12.4%	0.0%	0.0%	3.8%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-11.2%	0.0%	0.0%	-11.1%
3/80	1575	0	0	158	0	0	0	0	0	0	99	0	0	1832
3/79	1383	0	0	143	0	0	0	0	0	0	112	0	0	1638
	13.9%	0.0%	0.0%	10.5%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-11.6%	0.0%	0.0%	11.8%
4/80	967	0	0	95	0	0	0	0	0	0	77	0	0	1139
4/79	1099	0	0	26	0	0	0	0	0	0	77	0	0	1202
	-12.0%	0.0%	0.0%	265.4%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-5.2%
5/80	560	0	0	7	0	0	0	0	0	0	58	0	0	625
5/79	580	0	0	10	0	0	0	0	0	0	57	0	0	647
	-3.4%	0.0%	0.0%	-30.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	1.8%	0.0%	0.0%	-3.4%
6/80	385	0	0	5	0	0	0	0	0	0	40	0	0	430
6/79	503	0	0	7	0	0	0	0	0	0	40	0	0	550
	-23.5%	0.0%	0.0%	-28.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-21.8%
7/80	307	0	0	5	0	0	0	0	0	0	34	0	0	346
7/79	412	0	0	6	0	0	0	0	0	0	34	0	0	452
	-25.5%	0.0%	0.0%	-16.7%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-23.5%
8/80	384	0	0	6	0	0	0	0	0	0	22	0	0	412
8/79	432	0	0	7	0	0	0	0	0	0	38	0	0	477
	-11.1%	0.0%	0.0%	-14.3%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-42.1%	0.0%	0.0%	-13.6%
SUMMER TOTAL														
	3982	0	0	251	0	0	0	0	0	0	328	0	0	4561
	4578	0	0	225	0	0	0	0	0	0	366	0	0	5169
	-13.0%	0.0%	0.0%	11.6%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-10.4%	0.0%	0.0%	-11.8%
WINTER TOTAL														
	8282	0	0	834	0	0	0	0	0	0	549	0	0	9665
	8624	0	0	826	0	0	0	0	0	0	630	200	0	10280
	-4.0%	0.0%	0.0%	1.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-12.9%	-100.0%	0.0%	-6.0%
YEAR TOTAL														
	12264	0	0	1085	0	0	0	0	0	0	877	0	0	14226
	13202	0	0	1051	0	0	0	0	0	0	996	200	0	15449
	-7.1%	0.0%	0.0%	3.2%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-11.9%	-100.0%	0.0%	-7.9%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH.

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

Table B-9. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand by Sector for Cincinnati Gas and Electric Company
(MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
9/80	44	768	668	3094	175	0	4705	4701
9/79	60	843	526	1777	153	0	3299	0
	-26.7%	-8.9%	27.0%	74.1%	14.4%	0.0%	42.6%	999.9%
10/80	271	1449	987	3268	1463	0	7167	0
10/79	346	1516	876	2175	1783	0	6350	0
	-21.7%	-4.4%	12.7%	50.3%	-17.9%	0.0%	12.9%	0.0%
11/80	636	2913	1830	3464	2233	0	10440	0
11/79	616	3095	1749	2489	1590	0	8923	0
	3.2%	-5.9%	4.6%	39.2%	40.4%	0.0%	17.0%	0.0%
12/80	970	5550	3327	3908	1500	0	14285	0
12/79	887	4845	2764	2992	1067	0	11668	0
	9.4%	14.6%	20.4%	30.6%	40.6%	0.0%	22.4%	0.0%
1/81	1051	7448	2833	4095	822	0	15198	0
1/80	1080	6008	3374	3098	1062	0	13542	0
	-2.7%	24.0%	-16.0%	32.2%	-22.6%	0.0%	12.2%	0.0%
2/81	888	7019	2713	3959	-374	0	13317	0
2/80	1182	6667	3669	3249	96	0	13681	0
	-24.9%	5.3%	-26.1%	21.9%	-489.6%	0.0%	-2.7%	0.0%
3/81	722	6617	2474	3864	-761	0	12194	0
3/80	814	6051	3333	2956	-1239	0	11101	0
	-11.3%	9.4%	-25.8%	30.7%	38.6%	0.0%	9.8%	0.0%
4/81	341	4243	1718	3801	-1186	0	8576	0
4/80	434	3776	2140	2266	-1580	0	6602	0
	-21.4%	12.4%	-19.7%	67.7%	24.9%	0.0%	29.9%	0.0%
5/81	138	2438	960	3521	-463	0	6456	0
5/80	92	1946	1155	1466	-1226	0	3341	0
	50.0%	25.3%	-16.9%	140.2%	62.2%	0.0%	93.2%	0.0%
6/81	9	1499	647	3321	-332	0	5135	0
6/80	24	995	612	1273	-103	0	2777	0
	-62.5%	50.7%	5.7%	160.9%	-222.3%	0.0%	84.9%	0.0%
7/81	0	823	558	2418	164	0	3963	0
7/80	0	798	491	1302	168	0	2759	0
	0.0%	3.1%	13.6%	85.7%	-2.4%	0.0%	43.6%	0.0%
8/81	0	822	559	2444	164	0	3989	0
8/80	0	748	490	1827	133	0	3198	0
	0.0%	9.9%	14.1%	33.8%	23.3%	0.0%	24.7%	0.0%
SUMMER TOTAL	803	12042	6097	21867	-15	0	39991	4701
	956	10622	6290	12086	-672	0	28326	0
	-16.0%	13.4%	-3.1%	80.9%	97.8%	0.0%	41.2%	999.9%
WINTER TOTAL	4267	29547	13177	19290	3420	0	65434	0
	4579	26666	14889	14784	2576	0	58915	0
	-6.8%	10.8%	-11.5%	30.5%	32.8%	0.0%	11.1%	0.0%
YEAR TOTAL	5070	41589	19274	41157	3405	0	105425	4701
	5535	37288	21179	26870	1904	0	87241	0
	-8.4%	11.5%	-9.0%	53.2%	78.8%	0.0%	20.8%	999.9%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table B-10. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand by Sector for Columbia Gas of Ohio
(MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
9/80	38	3220	1626	11800	1621	649	18916	0
9/79	59	3432	1518	10597	535	0	16082	0
	-35.6%	-6.2%	7.1%	11.4%	203.0%	999.9%	17.6%	0.0%
10/80	197	5919	2583	12100	4203	238	25043	0
10/79	274	7049	2744	10381	4170	0	24344	0
	-28.1%	-16.0%	-5.9%	16.6%	0.8%	999.9%	2.9%	0.0%
11/80	570	12165	5258	14190	4375	0	35988	0
11/79	577	12167	4970	12412	3326	0	32875	0
	-1.2%	-0.0%	5.8%	14.3%	31.5%	0.0%	9.5%	0.0%
12/80	951	19112	8096	13741	5420	0	46369	0
12/79	838	17498	7128	12362	4402	0	41390	0
	13.5%	9.2%	13.6%	11.2%	23.1%	0.0%	12.0%	0.0%
1/81	1173	23511	9972	15623	5490	0	54596	0
1/80	1078	22384	9132	14118	3669	0	49303	0
	8.8%	5.0%	9.2%	10.7%	49.6%	0.0%	10.7%	0.0%
2/81	1102	22796	9704	15276	-2858	0	44918	0
2/80	1232	24994	10230	14406	-388	0	49242	0
	-10.6%	-8.8%	-5.1%	6.0%	-636.6%	0.0%	-8.8%	0.0%
3/81	918	19931	8370	14143	-3172	0	39272	0
3/80	1040	21292	8834	14226	-2046	0	42306	0
	-11.7%	-6.4%	-5.3%	-0.6%	-55.0%	0.0%	-7.2%	0.0%
4/81	560	13357	5586	12853	-3154	45	28687	0
4/80	604	14080	5875	12094	-4299	0	27750	0
	-7.3%	-5.1%	-4.9%	6.3%	26.6%	999.9%	3.4%	0.0%
5/81	288	7987	3344	12211	-1970	0	21572	0
5/80	254	7175	3011	10154	-2827	0	17513	0
	13.4%	11.3%	11.1%	20.3%	30.3%	0.0%	23.2%	0.0%
6/81	85	4294	1888	11650	-1107	0	16725	0
6/80	83	4219	1712	8790	-751	0	13970	0
	2.4%	1.8%	10.3%	32.5%	-47.4%	0.0%	19.7%	0.0%
7/81	0	3173	1531	9280	-451	0	13533	0
7/80	0	3419	1483	8368	-506	0	12764	0
	0.0%	-7.2%	3.2%	10.9%	10.9%	0.0%	6.0%	0.0%
8/81	0	3172	1529	10263	534	0	15498	0
8/80	0	2901	1438	9180	254	0	13773	0
	0.0%	9.3%	6.3%	11.8%	110.2%	0.0%	12.5%	0.0%
SUMMER TOTAL								
	1168	41122	18087	80157	-324	932	139974	0
	1274	42275	17781	69564	-3424	0	126196	0
	-8.3%	-2.7%	1.7%	15.2%	90.5%	999.9%	10.9%	0.0%
WINTER TOTAL								
	4714	97515	41400	72973	9255	0	221143	0
	4765	98335	40294	67524	8963	0	215116	0
	-1.1%	-0.8%	2.7%	8.1%	3.3%	0.0%	2.8%	0.0%
YEAR TOTAL								
	5882	138637	59487	153130	8931	932	361117	0
	6039	140610	58075	137088	5539	0	341312	0
	-2.6%	-1.4%	2.4%	11.7%	61.2%	999.9%	5.8%	0.0%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table B-11. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand by Sector for Dayton Power and Light Company
(MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
9/80	29	774	261	1130	308	0	2473	0
9/79	56	753	252	1011	338	53	2407	0
	-48.2%	2.8%	3.6%	11.8%	-8.9%	-100.0%	2.7%	0.0%
10/80	188	1499	396	1256	637	0	3788	0
10/79	259	1387	424	1163	687	0	3661	0
	-27.4%	8.1%	-6.6%	8.0%	-7.3%	0.0%	3.5%	0.0%
11/80	509	2966	1091	1754	388	0	6199	0
11/79	534	2775	1098	1705	454	0	6032	0
	-4.7%	6.9%	-0.6%	2.9%	-14.5%	0.0%	2.8%	0.0%
12/80	867	4573	1593	1990	500	0	8656	0
12/79	754	4028	1467	1647	518	0	7660	0
	15.0%	13.5%	8.6%	20.8%	-3.5%	0.0%	13.0%	0.0%
1/81	1104	5675	1985	2006	95	0	9761	0
1/80	986	4965	1746	1780	-85	0	8406	0
	12.0%	14.3%	13.7%	12.7%	211.8%	0.0%	16.1%	0.0%
2/81	1108	5662	2048	2112	201	0	10023	0
2/80	1230	5822	2046	2084	770	0	10722	0
	-9.9%	-2.7%	0.1%	1.3%	-73.9%	0.0%	-6.5%	0.0%
3/81	878	4592	1741	1884	-331	0	7886	0
3/80	1062	5126	1801	1882	-274	0	8535	0
	-17.3%	-10.4%	-3.3%	0.1%	-20.8%	0.0%	-7.6%	0.0%
4/81	616	3430	1124	1512	-230	0	5836	0
4/80	652	3468	1258	1285	-141	0	5870	0
	-5.5%	-1.1%	-10.7%	17.7%	-63.1%	0.0%	-0.6%	0.0%
5/81	288	1895	690	1230	-288	0	3527	0
5/80	324	1939	712	970	-566	0	3055	0
	-11.1%	-2.3%	-3.1%	26.8%	49.1%	0.0%	15.5%	0.0%
6/81	78	971	410	958	-147	0	2192	0
6/80	62	910	389	987	-67	0	2219	0
	25.8%	6.7%	5.4%	-2.9%	-119.4%	0.0%	-1.2%	0.0%
7/81	9	645	330	931	-49	0	1857	0
7/80	15	712	328	882	-24	0	1898	0
	-40.0%	-9.4%	0.6%	5.6%	-104.2%	0.0%	-2.2%	0.0%
8/81	1	644	312	929	36	0	1921	0
8/80	0	620	313	914	49	0	1896	0
	999.9%	3.9%	-0.3%	1.6%	-26.5%	0.0%	1.3%	0.0%
SUMMER TOTAL								
	1209	9858	3523	7946	267	0	21594	0
	1368	9789	3676	7212	276	53	21006	0
	-11.6%	0.7%	-4.2%	10.2%	-3.3%	-100.0%	2.8%	0.0%
WINTER TOTAL								
	4466	23468	8458	9746	853	0	42525	0
	4566	22716	8158	9098	1383	0	41355	0
	-2.2%	3.3%	3.7%	7.1%	-38.3%	0.0%	2.8%	0.0%
YEAR TOTAL								
	5675	33326	11981	17692	1120	0	64119	0
	5934	32505	11834	16310	1659	53	62361	0
	-4.4%	2.5%	1.2%	8.5%	-32.5%	-100.0%	2.8%	0.0%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table B-12. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand by Sector for East Ohio Gas Company
(MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
9/80	50	4678	1872	9781	2193	8300	26824	-6670
9/79	57	3556	1674	9161	1906	8806	25103	0
	-12.3%	31.6%	11.8%	6.8%	15.1%	-5.7%	6.9%	999.9%
10/80	205	7776	3027	10719	5156	6816	33494	0
10/79	273	7557	3203	10528	5258	7212	33758	0
	-24.9%	2.9%	-5.5%	1.8%	-1.9%	-5.5%	-0.8%	0.0%
11/80	534	13683	5240	10999	6732	0	36654	0
11/79	569	13777	5708	10806	4042	13	34346	0
	-6.2%	-0.7%	-8.2%	1.8%	66.6%	-100.0%	6.7%	0.0%
12/80	946	22875	8692	12293	5293	0	49153	0
12/79	872	19747	7782	11355	5092	489	44465	0
	8.5%	15.8%	11.7%	8.3%	3.9%	-100.0%	10.5%	0.0%
1/81	1192	27978	10514	13209	950	1326	53977	0
1/80	1104	24612	9868	11822	6116	434	52852	0
	8.0%	13.7%	6.5%	11.7%	-84.5%	205.5%	2.1%	0.0%
2/81	1137	26258	9850	13473	-2113	1326	48824	0
2/80	1303	27723	10899	12414	-1746	0	49290	0
	-12.7%	-5.3%	-9.3%	8.5%	-21.0%	999.9%	-0.9%	0.0%
3/81	1010	23766	8960	11526	-2092	0	42160	0
3/80	1083	23638	9407	11848	-1984	9	42918	0
	-6.7%	0.5%	-4.8%	-2.7%	-5.4%	-100.0%	-1.8%	0.0%
4/81	671	16462	6263	10191	-4290	8077	36703	0
4/80	667	16096	6110	9814	-5068	9160	36112	0
	0.6%	2.3%	2.5%	3.8%	15.4%	-11.8%	1.6%	0.0%
5/81	344	9706	3757	9706	-1782	10277	31664	0
5/80	352	9274	3329	7549	-4267	10488	26373	0
	-2.3%	4.7%	12.9%	28.6%	58.2%	-2.0%	20.1%	0.0%
6/81	121	5686	2264	8304	-974	9712	24992	0
6/80	134	5102	1822	6596	-554	9375	22341	0
	-9.7%	11.4%	24.3%	25.9%	-75.8%	3.6%	11.9%	0.0%
7/81	7	4088	1641	6958	476	9417	22580	0
7/80	33	3946	1597	5524	263	8668	19998	0
	-78.8%	3.6%	2.8%	26.0%	81.0%	8.6%	12.9%	0.0%
8/81	12	3824	1542	7975	873	8712	22926	0
8/80	3	3662	1516	5718	429	8553	19878	0
	300.0%	4.4%	1.7%	39.5%	103.5%	1.9%	15.3%	0.0%
SUMMER TOTAL	1410	52220	20366	63634	1652	61311	199183	-6670
	1519	49193	19251	54890	-2033	62262	183563	0
	-7.2%	6.2%	5.8%	15.9%	181.3%	-1.5%	8.5%	999.9%
WINTER TOTAL	4819	114560	43286	61500	8770	2652	230768	0
	4931	109497	43664	58245	11520	945	223871	0
	-2.3%	4.6%	-0.9%	5.6%	-23.9%	180.6%	3.1%	0.0%
YEAR TOTAL	6229	166780	63652	125134	10422	63963	429951	-6670
	6450	158690	62915	113135	9487	63207	407434	0
	-3.4%	5.1%	1.2%	10.6%	9.9%	1.2%	5.5%	999.9%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table 8-13. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand by Sector for National Gas and Oil Company
(MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
9/80	108	60	25	710	20	240	1055	-224
9/79	150	38	19	671	253	183	1164	0
	-28.0%	57.9%	31.6%	5.8%	-92.1%	31.1%	-9.4%	999.9%
10/80	393	80	50	710	15	230	1085	-161
10/79	0	72	32	731	296	93	1224	0
	999.9%	11.1%	56.3%	-2.9%	-94.9%	147.3%	-11.4%	999.9%
11/80	707	170	90	710	10	0	980	-300
11/79	742	157	78	747	277	25	1284	0
	-4.7%	8.3%	15.4%	-5.0%	-96.4%	-100.0%	-23.7%	999.9%
12/80	1060	252	122	690	10	0	1074	-220
12/79	1008	214	100	771	329	0	1414	0
	5.2%	17.8%	22.0%	-10.5%	-97.0%	0.0%	-24.0%	999.9%
1/81	1221	334	154	710	10	0	1208	-328
1/80	1171	265	120	783	368	0	1536	0
	4.3%	26.0%	28.3%	-9.3%	-97.3%	0.0%	-21.4%	999.9%
2/81	1029	340	155	710	330	0	1535	-95
2/80	1165	317	148	765	393	0	1623	0
	-11.7%	7.3%	4.7%	-7.2%	-16.0%	0.0%	-5.4%	999.9%
3/81	828	270	130	710	15	0	1125	-233
3/80	861	270	126	810	397	0	1603	0
	-3.8%	0.0%	3.2%	-12.3%	-96.2%	0.0%	-29.8%	999.9%
4/81	424	190	77	720	12	0	999	-231
4/80	473	180	84	666	340	11	1281	0
	-10.4%	5.6%	-8.3%	8.1%	-96.5%	-100.0%	-22.0%	999.9%
5/81	188	100	50	720	15	60	945	-265
5/80	166	103	46	632	320	94	1195	0
	13.3%	-2.9%	8.7%	13.9%	-95.3%	-36.2%	-20.9%	999.9%
6/81	0	50	30	700	18	190	988	-222
6/80	0	50	23	596	284	159	1112	0
	0.0%	0.0%	30.4%	17.4%	-93.7%	19.5%	-11.2%	999.9%
7/81	0	42	20	680	18	260	1020	-180
7/80	0	35	17	688	226	208	1174	0
	0.0%	20.0%	17.6%	-1.2%	-92.0%	25.0%	-13.1%	999.9%
8/81	0	40	20	720	18	280	1078	-107
8/80	0	38	18	683	164	208	1111	0
	0.0%	5.3%	11.1%	5.4%	-89.0%	34.6%	-3.0%	999.9%
SUMMER TOTAL								
	1113	562	272	4960	116	1260	7170	-1390
	789	516	239	4667	1883	956	8261	0
	41.1%	8.9%	13.8%	6.3%	-93.8%	31.8%	-13.2%	999.9%
WINTER TOTAL								
	4845	1366	651	3530	375	0	5922	-1176
	4947	1223	572	3876	1764	25	7460	0
	-2.1%	11.7%	13.8%	-8.9%	-78.7%	-100.0%	-20.6%	999.9%
YEAR TOTAL								
	5958	1928	923	8490	491	1260	13092	-2566
	5736	1739	811	8543	3647	981	15721	0
	3.9%	10.9%	13.8%	-0.6%	-86.5%	28.4%	-16.7%	999.9%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table B-14. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand by Sector for Ohio Gas Company
(MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
9/80	101	97	41	170	14	0	322	-209
9/79	98	68	29	205	-4	0	298	-1
	3.1%	42.6%	41.4%	-17.1%	450.0%	0.0%	8.1%	********%
10/80	379	202	87	306	27	0	622	-79
10/79	435	121	55	265	96	0	537	0
	-12.9%	66.9%	58.2%	15.5%	-71.9%	0.0%	15.8%	999.9%
11/80	734	335	138	272	34	0	779	-190
11/79	755	247	106	312	114	0	779	0
	-2.8%	35.6%	30.2%	-12.8%	-70.2%	0.0%	0.0%	999.9%
12/80	1126	489	201	322	47	0	1059	-796
12/79	990	355	163	281	103	0	902	1
	13.7%	37.7%	23.3%	14.6%	-54.4%	0.0%	17.4%	********%
1/81	1316	523	235	320	41	0	1119	-736
1/80	1225	443	201	326	126	0	1096	0
	7.4%	18.1%	16.9%	-1.8%	-67.5%	0.0%	2.1%	999.9%
2/81	1098	459	199	282	35	0	975	-709
2/80	1219	489	225	299	37	0	1050	0
	-9.9%	-6.1%	-11.6%	-5.7%	-5.4%	0.0%	-7.1%	999.9%
3/81	878	385	167	262	31	0	845	-1010
3/80	957	458	191	283	-28	0	904	0
	-8.3%	-15.9%	-12.6%	-7.4%	210.7%	0.0%	-6.5%	999.9%
4/81	473	231	99	207	20	0	557	-725
4/80	494	324	124	173	-98	0	523	0
	-4.3%	-28.7%	-20.2%	19.7%	120.4%	0.0%	6.5%	999.9%
5/81	203	175	75	194	13	0	457	-583
5/80	135	167	51	139	-60	0	297	0
	50.4%	4.8%	47.1%	39.6%	121.7%	0.0%	53.9%	999.9%
6/81	31	96	40	212	10	0	358	-381
6/80	47	85	34	158	-10	0	267	0
	-34.0%	12.9%	17.6%	34.2%	200.0%	0.0%	34.1%	999.9%
7/81	4	63	28	185	10	0	286	-332
7/80	0	58	24	133	12	0	227	0
	999.9%	8.6%	16.7%	39.1%	-16.7%	0.0%	26.0%	999.9%
8/81	11	66	30	188	11	0	295	-373
8/80	1	55	24	136	15	0	230	0
	1000.0%	20.0%	25.0%	38.2%	-26.7%	0.0%	28.3%	999.9%
SUMMER TOTAL	1202	930	400	1462	105	0	2897	-2682
	1210	878	341	1209	-49	0	2379	-1
	-0.7%	5.9%	17.3%	20.9%	314.3%	0.0%	21.8%	********%
WINTER TOTAL	5152	2191	940	1458	188	0	4777	-3441
	5146	1992	886	1501	352	0	4731	1
	0.1%	10.0%	6.1%	-2.9%	-46.6%	0.0%	1.0%	********%
YEAR TOTAL	6354	3121	1340	2920	293	0	7674	-6123
	6356	2870	1227	2710	303	0	7110	0
	-0.0%	8.7%	9.2%	7.7%	-3.3%	0.0%	7.9%	999.9%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table B-15. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand by Sector for River Gas Company
(MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
9/80	16	49	18	141	19	0	227	0
9/79	32	45	21	137	23	0	226	0
	-50.0%	8.9%	-14.3%	2.9%	-17.4%	0.0%	0.4%	0.0%
10/80	167	101	39	181	53	0	374	0
10/79	229	85	37	158	46	0	326	0
	-27.1%	18.8%	5.4%	14.6%	15.2%	0.0%	14.7%	0.0%
11/80	491	202	82	154	58	0	496	0
11/79	513	154	54	148	64	0	420	0
	-4.3%	31.2%	51.9%	4.1%	-9.4%	0.0%	18.1%	0.0%
12/80	817	306	125	162	70	0	663	0
12/79	0	238	89	122	119	0	568	0
	999.9%	28.6%	40.4%	32.8%	-41.2%	0.0%	16.7%	0.0%
1/81	993	367	147	235	26	0	775	0
1/80	892	352	128	140	7	0	627	0
	11.3%	4.3%	14.8%	67.9%	271.4%	0.0%	23.6%	0.0%
2/81	972	360	144	274	-25	0	753	0
2/80	1189	333	134	161	85	0	713	0
	-18.3%	8.1%	7.5%	70.2%	-129.4%	0.0%	5.6%	0.0%
3/81	711	272	106	168	10	0	556	0
3/80	840	373	135	153	-100	0	561	0
	-15.4%	-27.1%	-21.5%	9.8%	110.0%	0.0%	-0.9%	0.0%
4/81	446	187	73	133	-38	0	355	0
4/80	488	182	75	156	-38	0	375	0
	-8.6%	2.7%	-2.7%	-14.7%	0.0%	0.0%	-5.3%	0.0%
5/81	170	99	40	143	-8	0	274	0
5/80	210	125	41	102	-65	0	203	0
	-19.0%	-20.8%	-2.4%	40.2%	87.7%	0.0%	35.0%	0.0%
6/81	34	55	24	69	-2	0	146	0
6/80	40	49	17	79	8	0	153	0
	-15.0%	12.2%	41.2%	-12.7%	-125.0%	0.0%	-4.6%	0.0%
7/81	0	43	18	59	12	0	132	0
7/80	1	42	16	63	35	0	156	0
	-100.0%	2.4%	12.5%	-6.3%	-65.7%	0.0%	-15.4%	0.0%
8/81	0	41	18	64	12	0	135	0
8/80	0	38	14	79	16	0	147	0
	0.0%	7.9%	28.6%	-19.0%	-25.0%	0.0%	-8.2%	0.0%
SUMMER TOTAL								
	833	575	230	790	48	0	1643	0
	1000	566	221	774	25	0	1586	0
	-16.7%	1.6%	4.1%	2.1%	92.0%	0.0%	3.6%	0.0%
WINTER TOTAL								
	3984	1507	604	993	139	0	3243	0
	3434	1450	540	724	175	0	2889	0
	16.0%	3.9%	11.9%	37.2%	-20.6%	0.0%	12.3%	0.0%
YEAR TOTAL								
	4817	2082	834	1783	187	0	4886	0
	4434	2016	761	1498	200	0	4475	0
	8.6%	3.3%	9.6%	19.0%	-6.5%	0.0%	9.2%	0.0%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

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(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table B-16. Comparison Between 1979-80 Actual and 1980-81 Forecast Gas Demand by Sector for West Ohio Gas Company (MMCF)

MONTH/YEAR	DEGREE DAYS	RESIDENTIAL REQUIREMENT	COMMERCIAL REQUIREMENT	INDUSTRIAL REQUIREMENT	OTHER REQUIREMENT	STORAGE (IN)	TOTAL REQUIREMENT	DEFICIENCY
9/80	25	158	100	290	120	0	668	0
9/79	32	149	89	265	68	0	571	0
	-21.9%	6.0%	12.4%	9.4%	76.5%	0.0%	17.0%	0.0%
10/80	158	278	154	351	328	0	1111	0
10/79	179	262	170	270	336	0	1038	0
	-11.7%	6.1%	-9.4%	30.0%	-2.4%	0.0%	7.0%	0.0%
11/80	464	559	357	352	596	0	1864	0
11/79	497	572	377	278	308	0	1535	0
	-6.6%	-2.3%	-5.3%	26.6%	93.5%	0.0%	21.4%	0.0%
12/80	811	882	545	337	281	0	2045	0
12/79	718	938	522	293	88	0	1841	0
	13.0%	-6.0%	4.4%	15.0%	219.3%	0.0%	11.1%	0.0%
1/81	1137	1183	643	363	274	0	2463	0
1/80	1026	957	537	416	350	0	2260	0
	10.8%	23.6%	19.7%	-12.7%	-21.7%	0.0%	9.0%	0.0%
2/81	1175	1219	626	381	-66	0	2160	0
2/80	1258	1088	611	393	105	0	2197	0
	-6.6%	12.0%	2.5%	-3.1%	-162.9%	0.0%	-1.7%	0.0%
3/81	907	970	558	367	-137	0	1758	0
3/80	1087	1045	559	356	-128	0	1832	0
	-16.6%	-7.2%	-0.2%	3.1%	-7.0%	0.0%	-4.0%	0.0%
4/81	710	785	370	339	-265	0	1229	0
4/80	665	754	395	287	-297	0	1139	0
	6.8%	4.1%	-6.3%	18.1%	10.8%	0.0%	7.9%	0.0%
5/81	338	430	215	268	-244	0	669	0
5/80	357	399	191	213	-178	0	625	0
	-5.3%	7.8%	12.6%	25.8%	-37.1%	0.0%	7.0%	0.0%
6/81	114	232	121	271	-93	0	531	0
6/80	78	198	102	194	-64	0	430	0
	46.2%	17.2%	18.6%	39.7%	-45.3%	0.0%	23.5%	0.0%
7/81	15	147	93	201	-11	0	430	0
7/80	23	135	80	160	-29	0	346	0
	-34.8%	8.9%	16.3%	25.6%	62.1%	0.0%	24.3%	0.0%
8/81	5	136	88	241	82	0	547	0
8/80	0	119	79	175	39	0	412	0
	999.9%	14.3%	11.4%	37.7%	110.3%	0.0%	32.8%	0.0%
SUMMER TOTAL								
	1365	2166	1141	1961	-83	0	5185	0
	1334	2016	1106	1564	-125	0	4561	0
	2.3%	7.4%	3.2%	25.4%	33.6%	0.0%	13.7%	0.0%
WINTER TOTAL								
	4494	4813	2729	1800	948	0	10290	0
	4586	4600	2606	1736	723	0	9665	0
	-2.0%	4.6%	4.7%	3.7%	31.1%	0.0%	6.5%	0.0%
YEAR TOTAL								
	5859	6979	3870	3761	865	0	15475	0
	5920	6616	3712	3300	598	0	14226	0
	-1.0%	5.5%	4.3%	14.0%	44.6%	0.0%	8.8%	0.0%

NOTE: (1) WINTER TOTAL IS A SUM OF THE VALUES IN NOVEMBER, DECEMBER, JANUARY, FEBRUARY, AND MARCH

(2) 999.9% REPRESENTS AN INFINITE PERCENTAGE CHANGE RESULTING FROM AN INCREASE FROM A ZERO VALUE TO SOME NON-ZERO VALUE AND THUS A DIVISION BY ZERO.

(3) A POSITIVE DEFICIENCY INDICATES SHORTAGE, A NEGATIVE DEFICIENCY INDICATES SURPLUS.

Table B-17. Projected Supply and Demand for Eight Major Ohio Natural Gas Utilities
(MMCF)

COMPANY: CINN. GAS & ELEC.

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	5/81	6/81	7/81	8/81	SUMMER	WINTER	YEAR
SUPPLY	4	7167	10440	14285	15198	13317	12194	8576	6456	5135	3963	3989	35290	65434	100724
DEMAND	4705	7167	10440	14285	15198	13317	12194	8576	6456	5135	3963	3989	39991	65434	105425
DEFICIENCY	4701	0	0	0	0	0	0	0	0	0	0	0	4701	0	4701
% DEFICIENCY	99.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	11.8%	0.0%	4.5%

COMPANY: COLUMBIA GAS

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	5/81	6/81	7/81	8/81	SUMMER	WINTER	YEAR
SUPPLY	18916	25043	35988	46369	54596	44918	39272	28687	21572	16725	13533	15498	139974	221143	361117
DEMAND	18916	25043	35988	46369	54596	44918	39272	28687	21572	16725	13533	15498	139974	221143	361117
DEFICIENCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% DEFICIENCY	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

COMPANY: DAYTON POWER & LIGHT

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	5/81	6/81	7/81	8/81	SUMMER	WINTER	YEAR
SUPPLY	2473	3788	6199	8656	9761	10023	7886	5836	3527	2192	1857	1921	21594	42525	64119
DEMAND	2473	3788	6199	8656	9761	10023	7886	5836	3527	2192	1857	1921	21594	42525	64119
DEFICIENCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% DEFICIENCY	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

COMPANY: EAST OHIO GAS

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	5/81	6/81	7/81	8/81	SUMMER	WINTER	YEAR
SUPPLY	33494	33494	36654	49153	53977	48824	42160	36703	31664	24992	22580	22926	205853	230768	436621
DEMAND	26824	33494	36654	49153	53977	48824	42160	36703	31664	24992	22580	22926	199183	230768	429951
DEFICIENCY	-6670	0	0	0	0	0	0	0	0	0	0	0	-6670	0	-6670
% DEFICIENCY	-24.9%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	-3.3%	0.0%	-1.6%

Table B-17. Projected Supply and Demand for Eight Major Ohio Natural Gas Utilities (Cont'd)
(MMCF)

COMPANY: NATIONAL GAS

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	5/81	6/81	7/81	8/81	SUMMER	WINTER	YEAR
SUPPLY	1279	1246	1280	1294	1536	1630	1358	1230	1210	1210	1200	1185	8560	7098	15658
DEMAND	1055	1085	980	1074	1208	1535	1125	999	945	988	1020	1078	7170	5922	13092
DEFICIENCY	-224	-161	-300	-220	-328	-95	-233	-231	-265	-222	-180	-107	-1390	-1176	-2566
% DEFICIENCY	-21.2%	-14.8%	-30.6%	-20.5%	-27.2%	-6.2%	-20.7%	-23.1%	-28.0%	-22.5%	-17.6%	-9.9%	-19.4%	-19.9%	-19.6%

COMPANY: OHIO GAS

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	5/81	6/81	7/81	8/81	SUMMER	WINTER	YEAR
SUPPLY	531	701	969	1855	1855	1684	1855	1282	1040	739	618	668	5579	8218	13797
DEMAND	322	622	779	1059	1119	975	845	557	457	358	286	295	2897	4777	7674
DEFICIENCY	-209	-79	-190	-796	-736	-709	-1010	-725	-583	-381	-332	-373	-2682	-3441	-6123
% DEFICIENCY	-64.9%	-12.7%	-24.4%	-75.2%	-65.8%	-72.7%	-119.5%	-130.2%	-127.6%	-106.4%	-116.1%	-126.4%	-92.6%	-72.0%	-79.8%

COMPANY: RIVER GAS

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	5/81	6/81	7/81	8/81	SUMMER	WINTER	YEAR
SUPPLY	227	374	496	663	775	753	556	355	274	146	132	135	1643	3243	4886
DEMAND	227	374	496	663	775	753	556	355	274	146	132	135	1643	3243	4886
DEFICIENCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% DEFICIENCY	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%

COMPANY: WEST OHIO GAS

PROJECTED SUPPLY AND DEMAND (IN MMCF)

MONTH/YEAR	9/80	10/80	11/80	12/80	1/81	2/81	3/81	4/81	5/81	6/81	7/81	8/81	SUMMER	WINTER	YEAR
SUPPLY	668	1111	1864	2045	2463	2160	1758	1229	669	531	430	547	5185	10290	15475
DEMAND	668	1111	1864	2045	2463	2160	1758	1229	669	531	430	547	5185	10290	15475
DEFICIENCY	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
% DEFICIENCY	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%	0.0%